

MacAddict

SAVE BIG MONEY

7 low-cost apps vs.
the big-bucks leaders

MOVING TO INDESIGN

How to say good-bye to Quark

JAGUAR!

THE NEWEST OS X IS
READY TO POUNCE

- 150 new features
- Killer new iApps
- No-brainer networking
- Spam-killing Mail app
- One-click data syncing

WE DARE YOU TO TAKE OUR GEEK QUIZ

Prove you're a true Mac addict—if you can...

NY MAC
EXPO
SPECIAL
REPORT

20GB IPOD

And a smarter iTunes

17-INCH iMAC

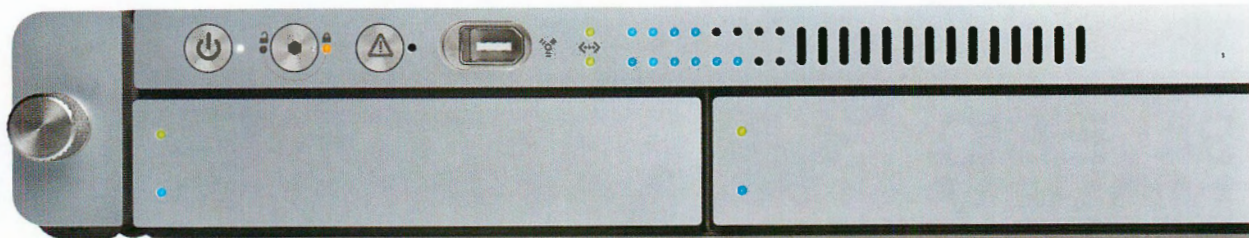
500,000 more pretty pixels



REVIEWED:

eMac, Dreamweaver MX, The Sims Hot Date, Norton SystemWorks 2.0, Escape Velocity: Nova, Toast with Jam, DeBabelizer Pro, and much more...





Porsche has a 420-hp, water-cooled,



Presenting Xserve, one of the fastest 1U servers on Earth. Featuring the exceptional performance of dual 1 GHz PowerPC G4 processors, each with 2MB of Double Data Rate (DDR) L3 cache. Best-in-class storage, with up to 480GB on four hot-plug ATA/100 drives. And best-in-class networking capabilities with standard dual Gigabit Ethernet ports. Xserve also comes with UNIX-based Mac OS X Server software (with an unlimited client license), making it ideal for providing file and print services, mail and web services, streaming digital media and for running database applications. Xserve is also perfect for computational clustering and I/O intensive applications like digital video, high-resolution digital imagery and managing large scientific datasets. And, thanks



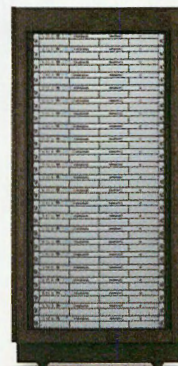
The new Apple Xserve.

twin-turbo power plant. We have this.


to a convenient visual feedback system, you can monitor the performance of an entire rack with just a glance. Or, keep an eye on Xserve from virtually anywhere with Apple's next-generation remote management tools.

Plus, you can swap parts and replace components at will without tools and get instant help with 4-hour onsite response and 24/7 technical support with AppleCare.* Xserve also provides out-of-the-box support for Mac, Windows, UNIX and Linux clients, three PCI slots (two of which are 64-bit, 66MHz), software RAID mirroring and striping, a VGA graphics card, two USB ports and a

host of other features that are far too numerous to list here. Apple Xserve. Take a look under the hood at apple.com/xserve.



apply. For terms and conditions associated with the AppleCare Premium Service and Support Plan, visit www.apple.com/support/products.



Shopping List



Household Articles

DISHWASHING LIQUID ✓

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~~BACON~~

ROAST BEEF ✓

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MacConnection

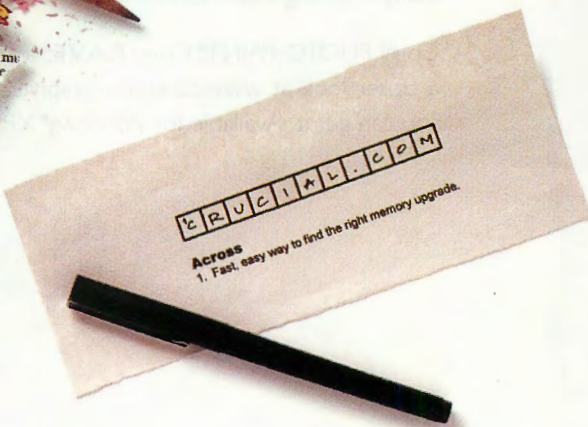


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SPECIAL REPORT: IT'S ALIVE!

At this summer's Mac Expo in New York, the latest and greatest version of Mac OS X—Jaguar—roared to life. It was joined by new and enhanced iApps, killer new under-the-hood technologies, and Apple's new Internet service, .mac. Oh, yeah—new iMacs and iPods, as well. **by the MacAddict Staff**



FEATURES

20 Software on the Cheap

Saving money is good. Saving money while staying productive is even better. If you don't need all the power-user features of the pricey Adobe Photoshops and Microsoft Offices of the world, check out our recommended alternative-software bargains. **by Deborah S. Shadovitz**



Who needs Vegas?

28 The Ultimate MacAddict Quiz

Take our fun—and challenging—quiz to find out if you're a Terminal Geek, a Cocoa Puff, or somewhere in between (get extra credit if you can define *giga*flop or know which Mac was code-named "Yikes"). **by the Terminally Geeky MacAddict Staff**



Gee, George, why don't the Pillsbury Doughboy giggle when I press his little tummy?

35 Is It Time for InDesign?

QuarkXPress may still rule the publishing roost, but Adobe InDesign 2.0 offers compelling reasons to leave Quark's nest. We'll help you decide if InDesign is right for you, and then show you how to make the switch. **by John Cruise**

HOW TO

58 Ask Us

You asked, and we answered how to email from iPhoto without using Apple Mail, how to bring your App menu to Mac OS X, how to create a PDF without Adobe Acrobat, and how to break through your Mac's disk-space limitations.

60 Solve Graphics Dilemmas Quickly

Creating great graphics doesn't always require complex, multiple-step maneuvers. We share eight two-step quickies that'll put an end to some of your most-pressing graphics woes. **by Leigh Webber and Kris Fong**



Does this mean six more weeks of winter?

66 Slim Down Graphics with DeBabelizer

Back-to-school madness may pack on the freshman 15—pounds, that is—but your Web graphics needn't bloat along with you. We show you how to slim fat files and provide DeBabelizer LE 3 (free on the Disc!) to help. **by Kris Fong**



Metamorphosize your graphics.

68 Broadcast Your Own Show on the Web

Think you're more entertaining than the Prince of *bleeping* Darkness? Forget the networks and cable TV—we show you how to air your own show on the Web using Apple's new QuickTime Broadcaster. **by Kris Fong**



Coming soon: Max TV—all Max, all the time!

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ON THE COVER



Image courtesy of Apple

EVERY MONTH

10 Editors' Note

This year's Mac Expo NY was a veritable seraglio of seductive technology. This month: one man's journey through guilt and temptation as he roamed the show floor.

12 Get Info

PC-bashing goes upscale in Apple's latest ad campaign. Speaking of upscale, check out haute iPod couture. Plus, learn about new back-to-school games, a device that skirts CD encryption (and has us licking our chops), and a Web browser with lots of pizzazz.

41 Reviews

- 56 **Altec Lansing XA 3021** three-piece speaker system
- 50 **DeBabelizer Pro 5.0.1** graphics-processing software
- 53 **DesktopGB 160GB** FireWire hard drive
- 56 **Dr. Bott's USB Hubs** three-, four-, and seven-port USB hubs
- 44 **Dreamweaver MX** Web-design software
- 42 **eMac** 17-inch G4 Mac
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- 53 **Mercury Elite 160GB** FireWire hard drive
- 47 **Final Draft 6 and Screenwriter 2000 4.5.3** screenplay-writing software
- 43 **Norton SystemWorks 2.0** disk-utility suite
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- 55 **PowerMate** USB control knob
- 54 **realMyst** puzzle and exploration game
- 51 **S900 Photo Printer** Canon color inkjet
- 56 **Sharp LL-T1820 LCD** 18-inch monitor
- 55 **Soundbug** suction-cup speaker
- 54 **Spring Cleaning 5.0** disk-hygiene utility
- 46 **The Sims Hot Date** expansion pack for *The Sims*
- 49 **Toast with Jam 5** CD-mastering and -burning software
- 52 **X-MeM 20GB Bundle** FireWire removable-disk storage kit

57 The Hot List

The best of the best from recent reviews. If the editors of *MacAddict* went shopping, this is what we'd buy.

94 Log Out**94 Letters**

Whether displaying guns in defense of Macs or praising Macs while under the gun, readers prove their commitment to all things Apple. One guy even wants an Apple wedding registry. Plus, some of your useful spam-busting tips.

95 Reader Art

Be inspired. Be very inspired. We revamped our old *Screenshot of the Month* into a new *Reader Art* section. Show off your art, designs, and—in a nod to tradition this month—screenshots.

96 Shut Down

Not all of Apple's "Switchers" commercials are on teevee. You can find additional gripping testimonials from PC-to-Mac converts on the Apple Web site—and on our final page.



13

An iPod case for the Greaser in you.



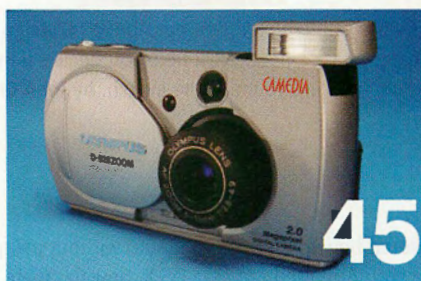
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After years of combat, the Red Baron's greatest adversary adopts a simpler life.



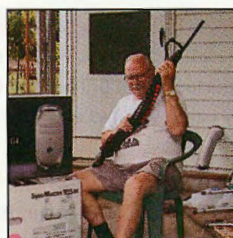
51

Printer? I don't even know her!



45

Is that a zoom lens or—oh, never mind.



Just keep drivin', mister.

94



Switch back to mouse.

96

QUICKIES

Instant tips from this month's issue.

Put some 9 back into X.

Add a Mac OS 9-style application-switching menu to Mac OS X with Frank Verdues's shareware app, ASM. From *Ask Us*, p58

**Root out spammers.**

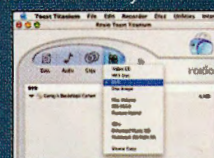
Use VisualRoute, a graphical traceroute program that analyzes Internet connectivity, to figure out who's sending you spam. From *Letters*, p94

**Practice safe sex.**

Sims aren't as gender-uptight as certain national politicians: Live out your lesbian fantasies in *The Sims Hot Date*. From *Reviews*, p46

**Burn DVDs without iDVD.**

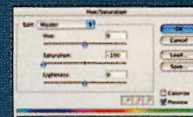
Roxio's Toast isn't just for CDs anymore. The venerable disc-burning software also handles DVDs and VCDs. From *Reviews*, p49

**Improve streaming-video quality.**

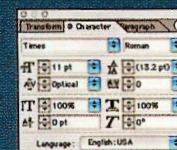
Mounting your DV camera on a tripod—or finding someone with a steady hand—will reduce video-compression noise. From "How to Broadcast Your Own Show on the Web," p68

Keep blacks black and whites white.

To keep black or white objects from shifting color when printed, desaturate them in Photoshop to eliminate cyan, magenta, and yellow color information. From "How to Solve Graphics Dilemmas Quickly," p60

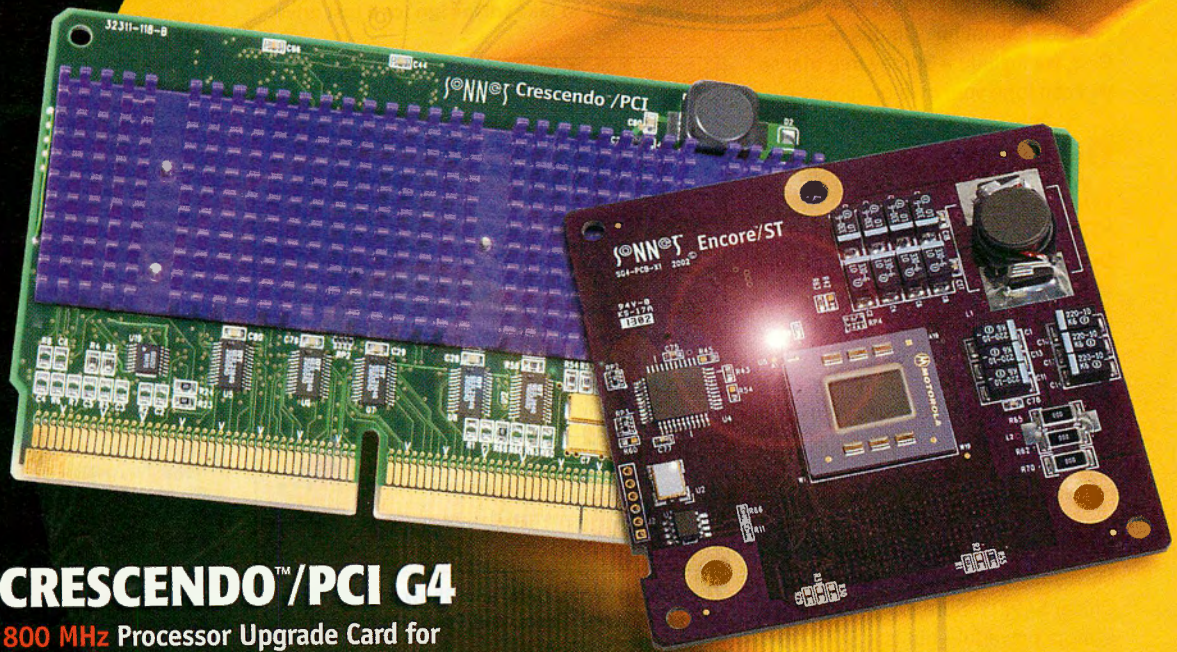
**Improve your type's appearance.**

In InDesign, choose Optical from the kerning pop-up menu on the Character palette to produce slightly tighter, more consistently spaced text. From "Is It Time for InDesign?," p35



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THE DISC

InDesign 2.0 Trial

Since Adobe released version 2.0 of its powerful pro publishing application, the publishing world has been abuzz about whether InDesign would replace QuarkXPress (see "Is It Time for InDesign?," p35) as king of the page-layout hill. On this month's Disc, we include a 30-day free trial so you can form your own opinion.

Dreamweaver MX Trial

HTML gearheads—bless 'em—love Dreamweaver MX for the high quality of the code it generates. Web designers love it for its power and ease of use. Find out what we think on p44, then install this 30-day free trial and see if it floats your particular boat.

ThinkFree Office Trial

Microsoft Office: \$499. ThinkFree Office: \$49.95. Sure, Microsoft Office is more powerful—but is it \$449.05 more powerful? It's easy to find out. First read about it on p21, then install the 30-day free trial of ThinkFree Office (from this month's Disc) and see for yourself.

DeBabelizer LE 3 Full Version

There are certain apps so useful that once you start using them, you'll wonder how you ever did without them. (Can you imagine life without StuffIt, for example?) DeBabelizer is one such app—and this month's Disc includes a full version of DeBabelizer LE 3, a \$99.95 value.

Max Is Back!

Last month our beloved mascot, Max, was freed from his review-rating chores—or was he? In this month's staff video, *Max Is Back*, find out the real story behind Max's newfound prominence, and just what he's been up to since 1996.

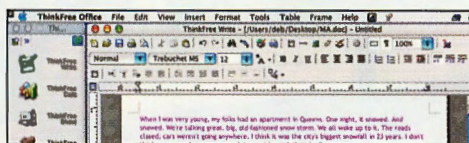
If you don't receive the Disc with your copy of *MacAddict*, you might want to consider upgrading! Each monthly Disc contains cool demos, useful shareware and freeware, and the inimitable *MacAddict* Staff Video. To get 12 issues of *MacAddict* that include this value-packed Disc with your subscription (prorated if necessary) for just \$1 more per issue, call 888-771-6222—the operator will take care of everything.



Since its palettes resemble those of other Adobe apps, it's easy to take InDesign for a test drive.



If you think a real Web site must be coded from scratch, Dreamweaver MX will make you a WYSIWYG convert.



ThinkFree Write, Calc, and Show are not quite Microsoft Word, Excel, and PowerPoint—but they're pretty close.



DeBabelizer can cut the fat in your images—ah, if it could only do the same for the flapjacks and sausage.



Yeah, we know: shaken, not stirred. Now get back to work!

MacAddict

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EDITOR IN CHIEF **Rik Myslewski**

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MANAGING EDITOR **Jenifer Morgan**
EXECUTIVE EDITOR **Cathy Lu**
SENIOR EDITORS **Kris Fong, Narasu Rebbapragada (news)**
ASSOCIATE EDITOR **Niko Coucouvanis (reviews)**
EPONYMEDITOR **Max**
CONTRIBUTING EDITORS **Raf Anzovin, Steven Anzovin, Joseph O. Holmes, Frank O'Connor, Angus Paidean, Ian Sammis, Andrew Tokuda, Buz Zoller**

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150 North Hill Drive, Brisbane, CA 94005

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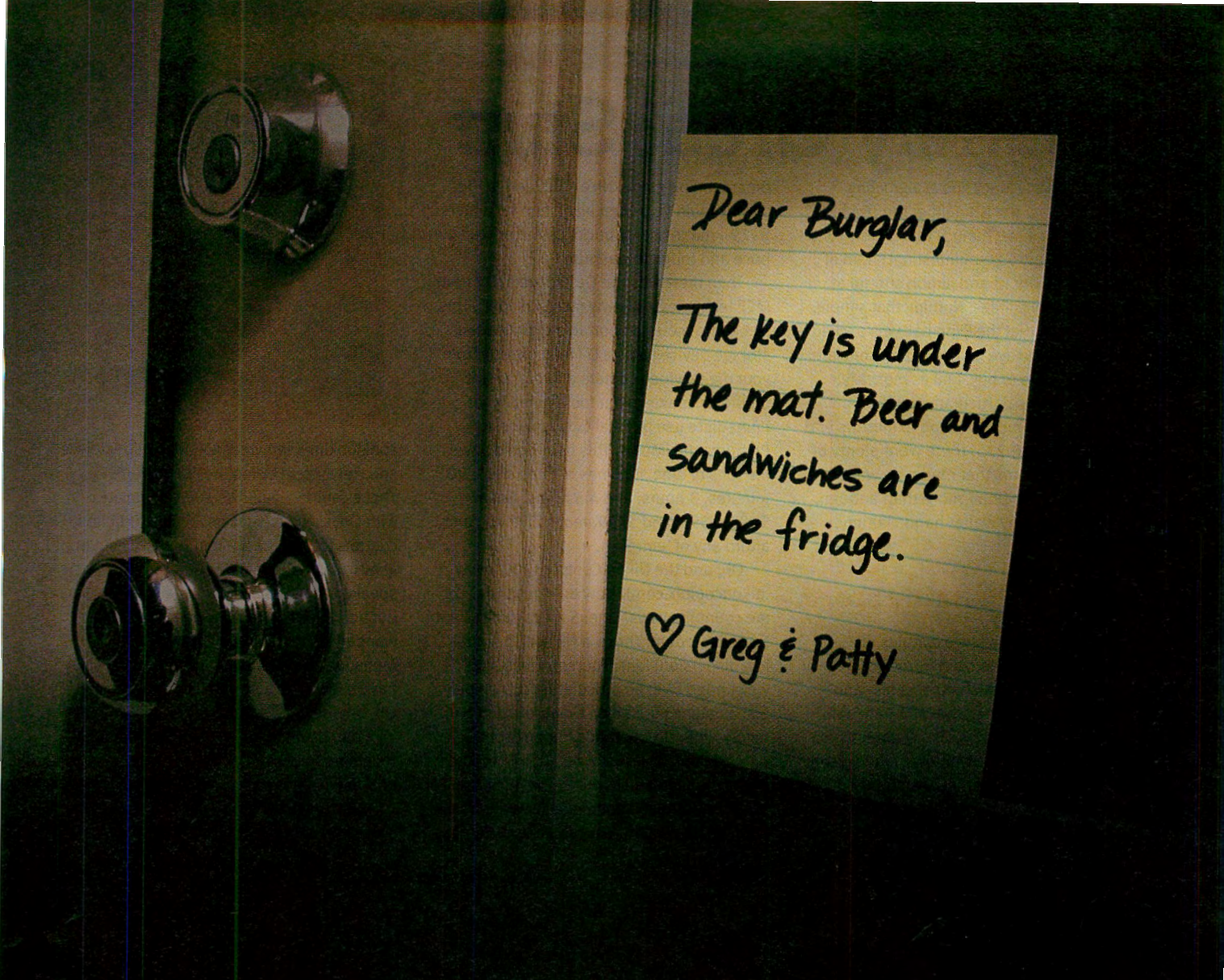
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Dear Burglar,


The key is under
the mat. Beer and
sandwiches are
in the fridge.

♥ Greg & Patty

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Insanely Great Stuff

Attending any Mac Expo is a grueling experience. No, it's neither the crushing crowds nor the blast furnace that is New York in July. Nor is it the gastrointestinal strain of unlimited free drinks and jumbo shrimp at nightly industry soirees. Nothing that simple.

It's the fact that the Expo hall was packed with totally seductive hardware and software that I can't afford to buy. Makes me crazy.

This year was particularly tough. Although the number of Expo exhibitors was relatively small at 235, there were plenty of way-cool new items that made me want to forget my kids' tuition—more than enough, in fact, to make my wallet-hand clammy.

The Expo hall was packed with seductive hardware.

Let me give you a few examples. El Gato Software (www.elgato.com) introduced EyeTV at the show. This 124-channel cable- and antenna-ready TV tuner and MPEG encoder comes complete with EyeTV software, which displays TV shows in a window or full screen on your Mac, saves them to your hard drive at 650MB per hour, lets you pause live TV, and hooks you up to El Gato's Web-based TV

programming guide. Nice stuff, and at the show I could've picked all of it up for a mere \$179—that's twenty bucks off the post-show price and tough to pass up.

Then there was the QuickStream DV from MCE technologies (www.mcetech.com). This sleek, hip-mounted portable digital-video storage device takes a DV feed directly from your digital video camera and digitizes it on the fly, making your footage ready for immediate use by Final Cut Pro, Adobe Premier, and iMovie. This baby could save me tons of time. It comes in three sizes: 90 minutes, 3 hours, and 4.5 hours. But at \$499, \$599, and \$799, respectively, I can't afford any of 'em. Sigh.

Oh, and the Nikon Coolpix 5700 (www.nikoncoolpix.com). How do I love thee? Let me count the ways. One: 5 megapixels. Two: 8x optical zoom. Three: a Nikkor ED (extra-low dispersion) lens. Four: an electronic viewfinder. Five: an articulating LCD display. Six: a magnesium body. One thousand and ninety-nine: Uh-oh, that's the price tag.

And then, when I saw something I could afford, I couldn't really justify the purchase. For example, Harman Multimedia (www.harman-multimedia.com) introduced an exceptionally



The cash in Rik's wallet cooed, "Spend me!"

cool-looking (and great-sounding) three-piece speaker system called the JBL Creature. These compact beauties come complete with Odyssey transducers, soft push-button controls for volume and mute, and a gentle glow from the underside of the satellite speakers. This set clocks in at a mere \$129, but not only do I already own a perfectly wonderful set of iM-700 speakers from Monsoon (www.monsoonpower.com), I also have a few extra sets in the closet, unused. Oh, but the JBL Creatures are sooooo cuuuute!

Calm down, Rik. Get a grip. Just keep repeating to yourself, "Money can't buy happiness. Money can't buy happiness."

Well, maybe it can't—but it sure can buy some insanely great stuff.—Rik Myslewski

PHOTOGRAPHY BY MARK MADEO

STAFF RANTS

Q1: What company would you like to start?

Q2: What would you announce at Mac Expo?

Kris Fong
Homeless Former
Mac.com Denizen
What company would you like to start?
I'd design kits that change a Mac's appearance, like cool snap-on covers that feature molded designs, Lego-attachable surfaces, or even magnetic ones.
What would you announce at Mac Expo?



I'd kill to announce that Bill Gates bought my Lego kit for his (shh) personal Mac.

Niko Coucouvanis
Fact Chucker
What company would you like to start?
I once started a company that made teeny-tiny plush toys. Called it Microsoft. Then that weasel Gates made us change our name to Beanie Babies. I quit in disgust.
What would you announce at Mac Expo?
I'd announce that Steve Jobs was outside, handing out free iPods. This would clear the Expo floor so I could get a look at the cool stuff real companies were showing off.



Leslie Osborn
Temporary Londoner
What company would you like to start?
Don't bother me. I'm on my honeymoon.
What would you announce at Mac Expo?
Go away, Rik.



Cathy Lu
Very Sleepy Editor
What company would you like to start?
There are enough companies making products for creative or productive Mac users. I would start a company targeting the much-ignored lazy Mac user.
What would you announce at Mac Expo?
I would announce the iBed. It'd be a reclining waterbed with a Mac built in. Of course, it'd have a swivel LCD monitor so I (uh, I mean users) could position it while lying down.



Narasu Rebbapragada
Animal Lover
What company would you like to start?
Now that Jaguar fur is certain to become *très chic*, I'll start a company to make disguises for frantic, hunted, wild jaguars.
What would you announce at Mac Expo?
A Clarus-the-Dogcow, full-body jaguar suit. Too cute to shoot.



Jenifer Morgan
Managing Grrditor
What company would you like to start?
It would be called Toupee Your Way Carpet Store.
What would you announce at Mac Expo?
A jaguar-print rug.

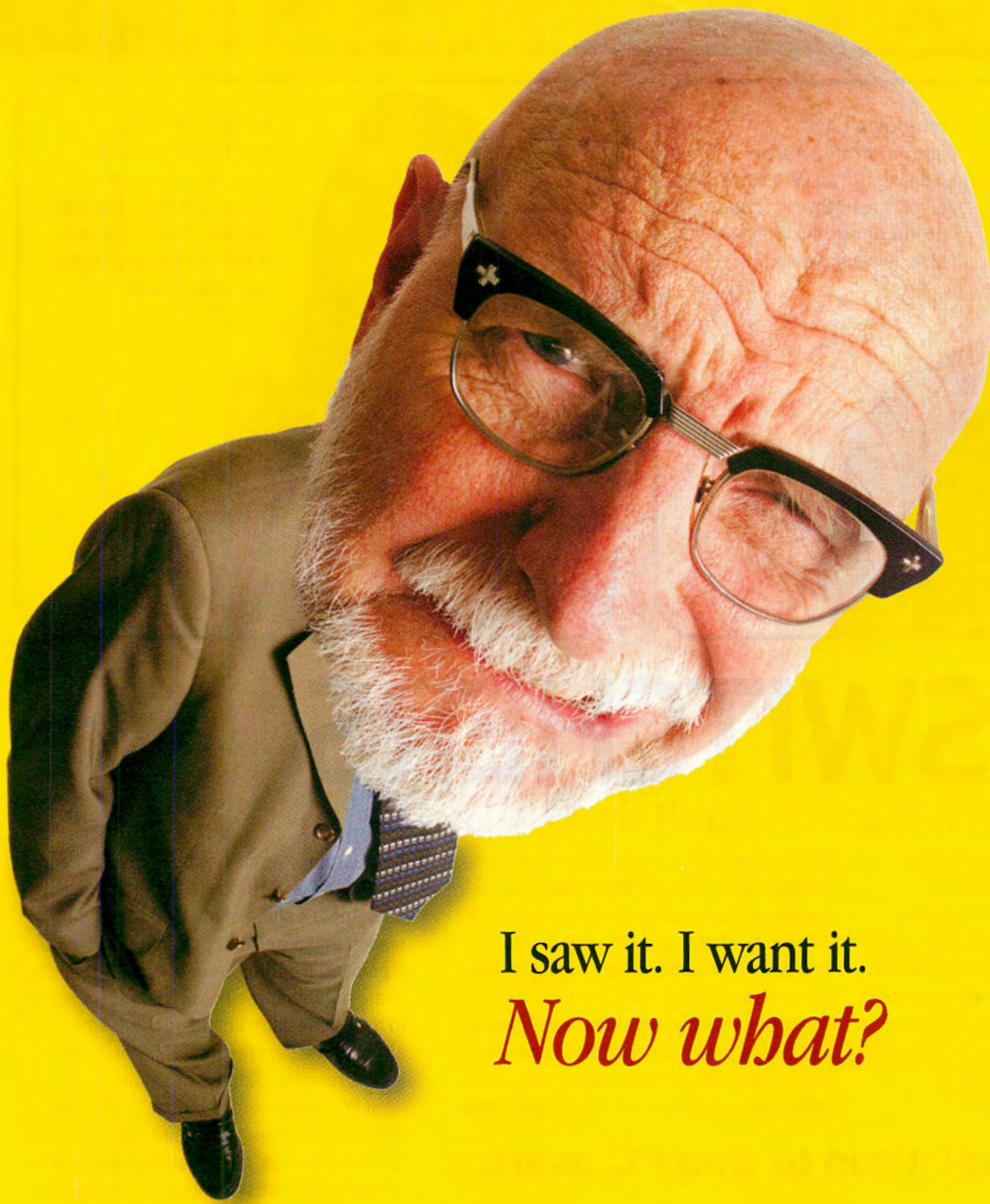


Chris Imlay
Cougar
What company would you like to start?
A computer company that actually makes computers. I know, it sounds CRAZY! But I'm like that.
What would you announce at Mac Expo?
Well, certainly not computers. How 'bout iCash? Stylish, simple, semi-transparent chits that you can use to buy Apple products. Redeemable to me. One iC would equal \$1.82.



Max Snow Domer
What company would you like to start?
Fake fur. No doubt about it, the new Jaguar logo is going to inspire a whole new wave of faux-fur fun stuff, and I want to ride that wave.
What would you announce at Mac Expo?
Say, what if Jen and I get together to make fake-fur, jaguar-print toupees? How do you think I'd look in one? Oh. Thought so. Never mind.





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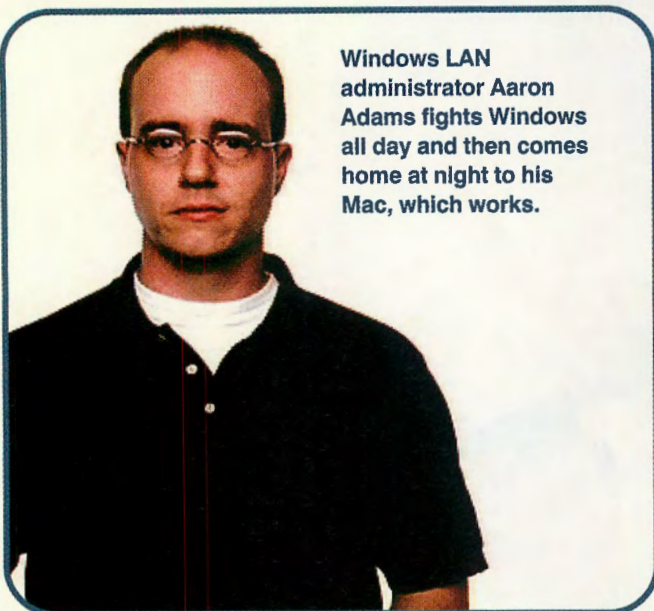
SONY.



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Windows LAN administrator Aaron Adams fights Windows all day and then comes home at night to his Mac, which works.



In Santa Monica, California, radio DJ Liza Richardson wanted a Mac, but her parents made her buy a PC. She later bought her own iBook.

PHOTOGRAPHY COURTESY OF APPLE

THE SWITCHERS

Aggressive Ads Amidst Sluggish Sales

By now you've experienced Apple's switcher ads. Accompanied by droll pizzicato violin and balalaika, awkwardly gesturing ex-PC victims explain to the camera why they switched from a PC to a Mac. They call the PC "a horrid little machine" and "very unattractive." They say Microsoft Windows "wants to constantly be in your face all the time." They even equate the PC experience to "a bad relationship."

ads feature eight switchers from diverse backgrounds. One is a DJ, another is a freelance illustrator and writer, and a third is a former IT manager. Apple even found a Windows LAN administrator willing to 'fess up to his Mac preference.

But in an economy where fewer people are buying personal computers in general, Apple wants PC users to invest money not only in new machines but in an entirely new

firm Gartner. "Apple has been losing share in the PC market." He says Gartner's research puts Apple's share of the U.S. computing market at 3.8 percent, not Apple's oft-quoted 5 percent. (For the gamut of Apple's market-share numbers, see below.) Smulders points to a weak desktop lineup as the reason, although he says the new eMac and new iMac strengthen Apple's position.

If PCs users were to switch, it would be in Apple's core consumer and education markets, he says. If you notice, the PC users in Apple's advertisements are switching to Macs in creative industries or at home. "Realistically, it's much more difficult to switch customers to the Mac platform in the corporate space," Smulders adds.

But Apple's core consumer markets are a great place to start. "Apple remains very strong in certain segments of the market,"

Apple is doing all it can to woo PC users.

Apple's most aggressive ad blitz since the 1998 "Think Different" campaign began just days before Apple's announcement of lower-than-expected earnings of \$.08 to \$.10 per diluted share, down from \$.11 per diluted share for the fiscal third quarter of 2002. Apple blames the downturn on a slowdown in sales, which is affecting PC manufacturers across the board. Part of the slowdown is, of course, seasonal. Education sales slow down in the summer and then pick up again in the fall.

In June, Apple launched this series of print and television advertisements, called the "Real People" campaign, in magazines like *Time* and *Newsweek* and on major television networks including ABC, NBC, and ESPN. The

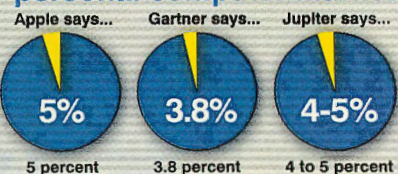
platform. Analysts are questioning just how much of the PC market Apple can realistically win over.

"I don't think they have too many switchers from the PC platform to the Apple platform," says Charles Smulders, vice president of computing platforms for research

THE MAC MARKET SHARE

Depending on who you talk to, Apple's got anywhere from a little to a very little stake in the personal computer market.

Apple's share of the U.S. personal computer market





Now that writer Sara Whistler has a Mac, she's happier.

says Michael Gartenberg, research director of Jupiter Research. Gartenberg's firm more optimistically puts Apple's market share at 4 to 5 percent.

Gartenberg says Apple's strength is that it provides both the hardware and software parts of the puzzle. "The PC market is going to be very challenged to respond to that," he says, downplaying the blazing speeds advertised by PC makers. "Fast is fast enough for the average consumer. Now what can I do with all of this?"

Still, Gartenberg doubts Apple could soon double its market share, as the company once hypothesized. "I certainly give them credit for being ambitious, but I think that's a tough proposition for them," he says. To achieve that goal, Apple would have to make inroads in markets that have traditionally eluded it, such as enterprise.

Still, Apple is doing all it can to woo PC users. Walk into any Apple store with your PC laptop, and the geniuses at the Genius Bar will be happy to transfer your files from your PC to your newly purchased Mac. And as Smulders points out, Apple's PC-switching message is sure to help its cause. For more information about who's switching to the Mac, visit www.apple.com/switch.

—Narasu Rebbapragada

TOTE COUTURE

Carry Your Gadgets in Style

A shoddy case is the embarrassing equivalent of cheap shoes for consumer electronics. Check out these highly fashionable PDA cases and other accessories, which are as precious as the cargo they are designed to hold.—Keelin Devincenzi

The Christian Dior iPod case

Christian Dior, www.dior.com

Price: €185.15 (euros; approximately \$175 U.S.)

Availability: Limited

Born out of personal necessity for its head designer who's a huge iPod fan, the Christian Dior iPod case keeps your favorite MP3 player free from dings and scratches. Along with the black leather case comes a detachable handle that fits nicely in your pocket. Available in limited quantities, you can pick one up at the Christian Dior Homme flagship store in Paris, at the Colette boutique (also in Paris), or at the Colette eshop at www.colette.fr.



The fashion faithful head to Paris for the Christian Dior iPod case.

Casauri Octopus PDA case and laptop bag

Casauri, www.casauri.com

Price: \$35 (PDA case), \$84 (iBook laptop bag),

\$92 (PowerBook laptop bag)

Availability: MoMA Design Store and Sam Flax retail stores, UncommonGoods (www.uncommongoods.com)

These Octopi are made from the same polyvinyl material as a wet suit. Available in kiwi, grape, red, slate, or black, the laptop bag features deep mesh pockets to fit accessories, plus protective foam and safety straps to keep your iBook safe. The PDA case acts as a wallet—with compartments for change, credit cards, and a notepad. In the Big Apple, you'll find Casauri products at the MoMA Design Store and Sam Flax. Otherwise, you can find them online at UncommonGoods (www.uncommongoods.com).



Get your tentacles on Casauri's fashionably protective laptop and PDA cases.

Coach Deluxe PDA case

Coach, www.coach.com

Price: \$118

Availability: Coach stores nationwide, www.coach.com

Fine leather and expert craftsmanship are the hallmarks of this deluxe PDA case by Coach. Measuring 4 3/4 by 7 9/16 by 1 3/4 inches, this largish case fits better in your laptop bag than your pants pocket. It features credit card holders, stylus and pen loops, a notepad, an ID window, and a Velcro attachment to keep your PDA firmly entrenched in the case. The Coach Deluxe PDA case is available at Coach stores nationwide.



A modern-day Cinderella would love this Coach.

FREE 6 PREVIEW

Apple Releases QuickTime 6 Preview

Apple's QuickTime 6 public preview for Mac OS 8.6 and higher is available now as a free download from the QuickTime Web site (www.quicktime.com). The QuickTime Broadcaster public preview for Mac OS X only is also available as a free download. Announced earlier this year, QuickTime 6 will support MPEG-4, the open standard for streaming media, and the Advanced Audio Coding (AAC) codec, which streams high-quality audio.

NEWSTUFF

X CorelDraw Graphics Suite 11

Corel, www.corel.com, \$529

Available: July 2002

Corel is the first graphics company to surpass the version number 10. Its new CorelDraw Graphics Suite 11 includes Draw, a vector drawing program; PhotoPaint, an image editor; and Rave, a motion graphics tool. It's also the first major non3D graphics update to be Mac OS X only. New features include symbols support plus Roughen and Smudge brushes for editing curves in Draw, new red-eye removal and Web rollover tools in PhotoPaint, and new symbol and text animation tools in Rave.

9 FileMaker 6

FileMaker, www.filemaker.com, \$299

Available: Now

The latest version of this database application includes batch file image import from a digital camera with EXIF data, import and export of XML, more than 20 new templates, global find and replace, and other refinements. The company says that FileMaker 6 will be the last version to support Mac OS 9 and earlier.

9 CRW-F1 CD-RW drive

Yamaha, www.yamaha.com,

Expected pricing: \$179 (internal IDE), \$229 (USB 2.0), \$280 (USB 2.0 and FireWire), \$299 (external SCSI)

Available: July 2002

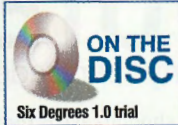
This new CD-RW offers whopping 24X rewrite, 44X write, and 44X read speeds, 8MB buffer memory, and the DiscT@2 Disc graphics technology. DiscT@2 lets you burn text graphics onto the unused outer portions of CD media, eliminating the need to slap on a label. The CRW-F1 is available with internal IDE, internal SCSI, external USB 2.0, external USB 2.0 and FireWire, and external SCSI interfaces.

X Six Degrees

Creo, www.creo.com, \$249

Available: Now

Entourage X users with messy desktops should check out Creo's Six Degrees email-driven search tool, which lets you look for project-related information by the names of people, email subject lines and headers, and documents. Six Degrees works only for Entourage X users right now, but Creo hopes to add more email clients in the future. Check out the trial version on the Disc, or download it from www.creo.com/sixdegrees.



9 Photoshop Elements 2.0

Adobe Systems, www.adobe.com, \$99

Available: August 2002

Version 2.0 of this image-editing program includes a new Quick Fix dialog for making easy image corrections, a selection brush for selecting areas of an image, a feature for capturing QuickTime video frames, and an attach-to-email feature. Aside from features like pro-level production tools and CMYK support, Photoshop Elements has many of the same rich image-editing tools as its big sister Photoshop.

9 ThinkFree Office

ThinkFree, www.thinkfree.com, \$49.95

Available: Now

ThinkFree has released the Mac OS X version of a scaled-down Microsoft Office app. A mere \$50 gets you word processing, spreadsheet, and presentation applications—consumer-level alternatives to Microsoft's Word, Excel, and PowerPoint sans advanced scripting features, Pivot Tables, and other features that many consumers don't use anyway. You can also store your documents on a ThinkFree CyberDrive, a secure Internet storage location (free for one year, and then \$29.95 and up annually).

APPLE ACQUIRES EMAGIC

Logic Audio Goes Mac-Only

Not content with snapping up only video companies (see "The Reel Deal," below), Apple acquired German company Emagic, which made the popular Logic Audio production software. Mac audio professionals smirked at their Windows counterparts, as Emagic said it will discontinue its Windows products by October 2002. While Emagic said it will support Windows users with existing product warranties, they'll have to turn to the Mac for new versions.

NEW SONNET UPGRADE CARDS OFFER GIGAHERTZ SPEEDS

Do you own a G4 or G3 tower, Cube, Wallstreet PowerBook G3, or aging beige Power Mac or Mac clone? Thanks to Sonnet Technologies, you can now belly up to the high-performance bar. The 16-year veteran of the upgrade market has announced a slew of new processor and I/O upgrade cards—with speeds reaching up to 1 gigahertz.



Sonnet ups the Tempo.

Leading the pack are the Encore/ST 1GHz and 800MHz upgrades for Graphite Power Mac G4 Sawtooth towers and the late lamented Cube. The Cube version is available only at 800MHz—for now—and will require a professional installation kit for \$29.95, according to a Sonnet spokesperson. Encore/STs are based on the snappy Motorola 7455 processor and include 2MB of L3 cache. They are priced at \$699.95 for the 1GHz version, and \$499.95 for the 800MHz one. The Motorola 7455 is also available in the \$399.95 Crescendo/PCI 800MHz G4 for PCI Power Macs and many clones, and includes 1MB of backside cache. (A full list of compatible systems is available at www.sonnettech.com.) Wallstreet jockeys can pick up a Crescendo/WS 500MHz G4 upgrade for \$399.95, and Power Mac 7200 owners can buy a Crescendo/7200 500MHz G3 upgrade with 1MB of backside cache for \$269.95.

Newly announced I/O cards include the Tempo Trio, which packs two USB 2.0 ports, two FireWire ports, and an ATA/133 controller that can handle up to four fast ATA drives—all on one PCI card for \$179.95. The new Tempo ATA/133 includes only (you guessed it) ATA/133 support, but it's available for a bargain-basement \$99.95.—Rik Myslewski

THE REEL DEAL

Apple Is Acquiring Digital Effects Companies

Apple (www.apple.com) is buying its way into the movies. Most recently, Apple acquired Silicon Grail (www.silicongrail.com), the company that creates Chalice, a color correction and special effects tool, and RAYZ, compositing software based on Chalice. Ray Feeney, founder of Silicon Grail, won a 2002 Academy of Motion Picture Arts and Sciences' Scientific and Technical award for his visual effects work. Back in February 2002, Apple also acquired Nothing Real (www.nothingreal.com), which created Shake, a compositing system for creating high-resolution visual effects. Shake was used in the creation of Pearl Harbor, among other Hollywood films.

DROOLWORTHY

Sexy Stuff We Can't Wait to Get Our Mitts On

Odyssey 300

e.Digital www.edig.com \$229

Here's a way around those Mac-poisoning CD encryption technologies: e.Digital's Odyssey 300 can rip CD tracks to 128-Kbps MP3s directly through the headphone jack of your CD player. The Odyssey 300 can also upload songs to its 128MB of embedded flash memory directly from your Mac via USB. You'll need to use e.Digital's music management software (sorry, no iTunes compatibility) to organize your tracks. The Odyssey 300 also has a digital voice recorder and FM tuner. It should be available by the time you read this.—NR



Skirt CD encryption schemes by ripping MP3s directly from your CD player to the Odyssey 300.



This CD-RW/DVD-ROM drive is also a convenient way to read Sony's Memory Stick.

CRXP-90MU

Sony www.sonymstyle.com \$299

With 24X CD read and write, 10X CD rewrite, and 8X DVD read all in one superslim silver casing, Sony's CRXP-90MU combo USB 2.0 drive makes you want to run out and get a USB 2.0 card for your Mac (the drive also works with USB 1.1 at slower speeds). Plus, the drive has a built-in Sony Memory Stick reader. The CRXP-90MU comes with B's Recorder Gold CD burning software, and Sony expects this drive to burn directly from Roxio Toast and Apple iTunes in their next software updates. The CRXP-90MU should be available by the time you read this.—NR

SHAREWARE PICK OF THE MONTH

MOZILLA 1.0

Mozilla www.mozilla.org free

In 1998, Netscape Corporation made public the source code for its Navigator and Communicator Internet software. Four years later, the open-source developer community brings consumers Mozilla 1.0. Mozilla includes a Web browser, an IRC chat client, email, newsgroups, a Web-page builder, and an address book. Because it's extensible, developers can add features such as instant messaging and Themes, which users can download and install as needed. You can download many of these enhancements from www.mozdev.org.—Andrew Tokuda



Mozilla's more than a Web browser. It's the open-source way to create Internet-based applications.

PLAY SCHOOL

New, Cool Games for Kids

Back to school means back to avoiding homework, and what better way than with this season's pack of edutainment titles? Here are our top picks, albeit in some dubious categories, but that's what happens when you give adult kids kid games.

—Carrie Shepherd



BEST WAY TO MAKE CARTOONS CONSTRUCTIVE

WINNER Disney's Magic Artist Cartoon Maker

PUBLISHER Disney Interactive, www.disneyinteractive.com

AVAILABILITY August 2002 **PRICE** \$19.99 **AGES** 8 and up

DESCRIPTION Kids assemble animated sequences with music, magical effects, and Disney characters. Does Junior have what it takes to start the next Pixar?



BEST OLD DOG AND NEW HUMAN TRICK

WINNER Blue's Preschool

PUBLISHER Infogrames, www.infogrames.com

AVAILABILITY August 2002 **PRICE** \$19.99 **AGES** 3 to 5

DESCRIPTION After six years with Steve, animated dog pal Blue has a new human host, Joe. In this newest Blue's Clues game, kids go on fun problem-solving missions. There are three skill levels from which to choose.



BEST GAME IMITATING A TV SHOW IMITATING A GAME

WINNER Dora the Explorer: Backpack Adventure

PUBLISHER Infogrames, www.infogrames.com

AVAILABILITY August 2002 **PRICE** \$19.99 **AGES** 3 to 5

DESCRIPTION Based on the TV show with a computer-game theme, this game features a cute girl, a smattering of Spanish, and fun adventures involving a myriad of challenges.



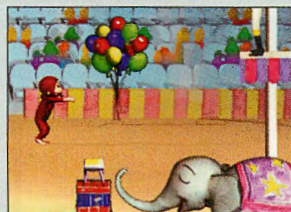
BEST WAY TO ENJOY WINTER SPORTS WITHOUT THE COLD WEATHER

WINNER Backyard Hockey

PUBLISHER Infogrames, www.infogrames.com

AVAILABILITY October 2002 **PRICE** \$19.99 **AGES** 7 and up

DESCRIPTION At last! A safe way for kids to enjoy the oft-brutal sport of ice hockey. This title features real hockey action with real pint-sized pro players.



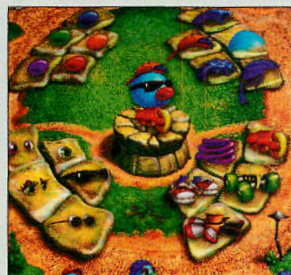
BEST CHANCE TO GET GRANDPA TO PLAY ALONG

WINNER Curious George Downtown Adventure

PUBLISHER Knowledge Adventure, www.vugames.com

AVAILABILITY Now **PRICE** \$19.99 **AGES** 3 to 6

DESCRIPTION Kids and adults will have fun figuring out how to fix the mischief caused by the time-tested favorite, Curious George. A hint button helps you out in sticky spots.



BEST USE OF BLUE BLOBS

WINNER Zoombinis Island Odyssey

PUBLISHER Riverdeep—The Learning Company, www.riverdeep.net/learningcompany

AVAILABILITY Fall 2002 **PRICE** \$24.99 **AGES** 8 and up

DESCRIPTION Those weird blue creatures are back to help kids think scientifically about ecology, astronomy, mechanics, and cryptography—all to save Zoombinis Isle and the Zerbles.

GAMES NEWS

What's Happening This Month

Neverwinter Nights

MacSoft, www.wizworks.com/macsoft, \$59.99

Available: Fall 2002

Get ready for more than 90 hours of real Dungeons & Dragons action with MacSoft's release of Neverwinter Nights, developed by newly acquired BioWare. Step into the role of Dungeon Master and create your own stories and adventures. Play alone or online, and don't worry about being new to the genre. The Neverwinter Nights interface makes the game accessible to D&D neophytes and veterans alike. Plus, Neverwinter Nights lets gamers build their own game modules with the BioWare Aurora Neverwinter Toolset.

Alchemy and Bejeweled

MacPlay, www.macplay.com, \$19.99

Available: Now

If you like addictive puzzle games and cheesy synthesizer music, you'll love MacPlay's Alchemy and Bejeweled, both developed by PopCap and



You'll never understand the satisfaction of corralling gems into neat rows until you play Bejeweled.

bundled together on one CD. In Alchemy, you place similarly colored and shaped Runes adjacent to each other to turn rows of useless metal into gold. Like the online game (played more than 17 million times), the Mac version of Bejeweled challenges players to arrange like-colored gems on a board in rows of three or more. Fun, inexpensive, and easy-to-play, Bejeweled and Alchemy are great for casual gamers.

Patience Saves You Money

MacPlay (www.macplay.com) announced that it would drop the price on 12 game titles in mid-July 2002 to kick off its MacPlay Value Series. The 12 titles are Bejeweled & Alchemy Bundle, Hexen II, Heretic II, Fallout, Incoming, Giants: Citizen Kabuto, Sacrifice, Birdie Shoot, Jinni Zeala Pinball, Majesty, Sin Gold, and Zork Grand Inquisitor, and will sell for \$19.99 each. That's as much as \$30 off the list price for games like Sacrifice and Giants. In the future, MacPlay says it plans to sell new titles for premium prices for the first few months after release, and then drop prices to value pricing to attract the mainstream Mac community.

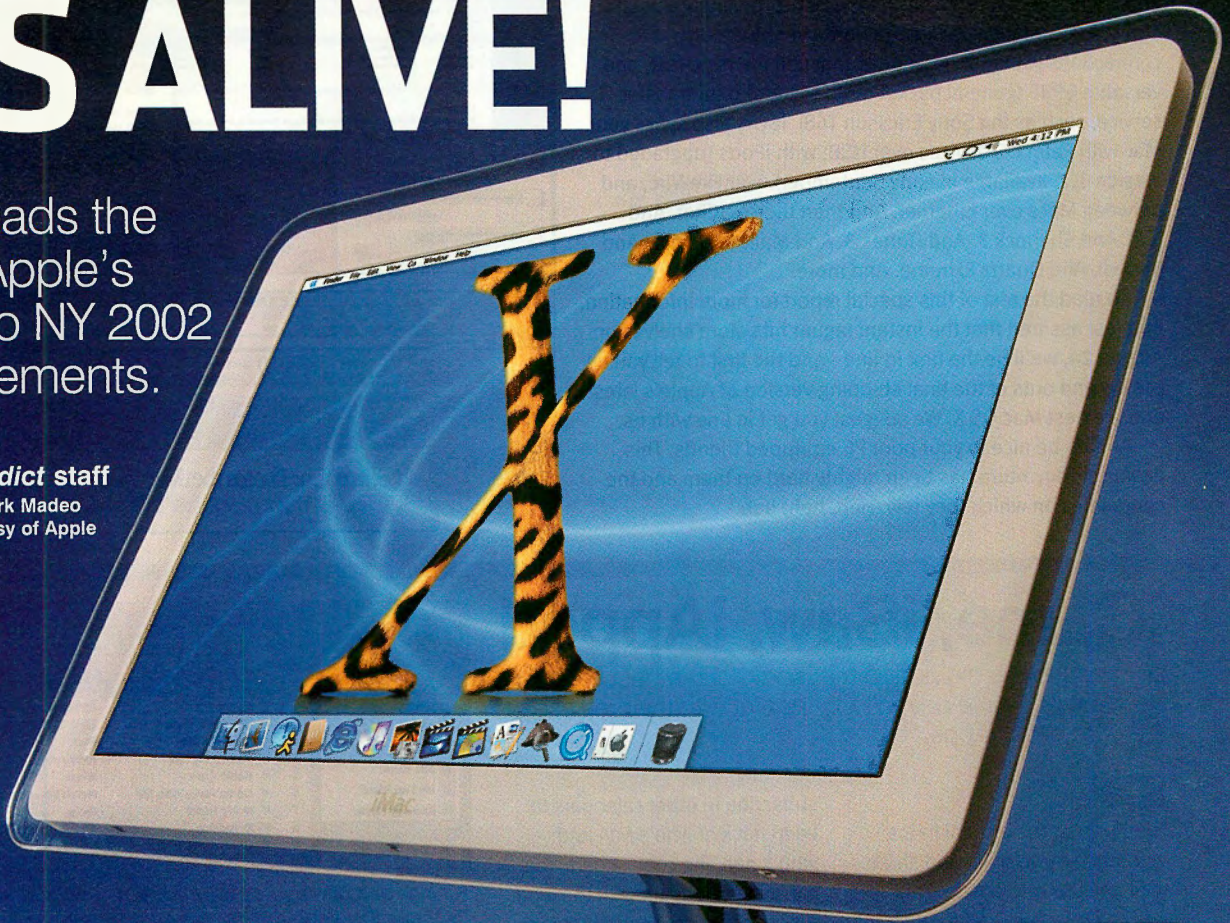
SPECIAL REPORT:

IT'S ALIVE!

Jaguar leads the pack of Apple's Mac Expo NY 2002 announcements.

by the *MacAddict* staff

photography by Mark Madeo
screenshots courtesy of Apple



At this summer's Mac Expo, Apple made it crystal clear that no recession, stock-market downturn, computer-industry implosion, or mind-scorching New York weather from hell was going to cramp its style. While other desktop PC manufacturers were circling their creaky wagons and licking their fiscal wounds, Apple was launching a frontal assault on the soggy gray world of PC mediocrity. Its primary weapon? Innovation. Its innovations?

- **Jaguar** A major upgrade to Mac OS X and Mac OS X Server.
- **iChat, iCal, iSync** Powerful new iApps.
- **Sherlock 3, iTunes 3, Mail** Welcome enhancements to current apps.
- **QuickTime 6, Rendezvous, Inkwell, an open Address Book Database, and Quartz Extreme** Enabling technologies with mind-boggling implications.
- **.mac** A suite of Internet services and software with far more oomph than iTools—but with .mac at \$99 a year, the iTools and Mac.com free ride is over.
- **17-inch iMac and 20GB iPod** Two of our favorite Snow-white buddies, bigger and better.

Jaguar (known more prosaically as Mac OS 10.2) tops the list—and for good reason. With 2.5 million of us actively using OS X and 3,500 OS X apps crowding our hard drives, we can now officially call Apple's Unix-based beauty a success. (Hey, you die-hard Niners out there: As much as we respect your loyalty to OS 9 and earlier, OS X is where it's at. Switch. You'll be glad you did.)

Admittedly, the road to Jaguar has been at times a bumpy ride. The OS X Public Beta was—well, a beta. Version 10.0 turned out to be—how shall we put it?—more than a wee bit skanky. Version 10.1 was finally the well-behaved, well-performing OS we'd all hoped 10.0 would be. And now 10.2—Jaguar—is the first OS X upgrade that tightens up the head gaskets, fills the tank with nitro, takes that baby out on the open road, and puts the pedal to the metal.

According to Apple, Jaguar includes 150 new features and apps, including an enhanced multithreaded Finder (the folder-level search field in the toolbar and the return of spring-loaded folders impressed us), and greatly improved Universal Access capabilities for Mac addicts with disabilities.

Perhaps most important, however, are

the enabling technologies lurking under Jaguar's sleek interface. Rendezvous provides zero-configuration connections to any IP device, whether it be on Ethernet, AirPort, FireWire, USB, or Bluetooth. Meditate on that for a moment: zero configuration; any IP device. Plug and play goes IP, and the possibilities are endless.

Jaguar also makes managing your contact lists easier. Address Book Database may not sound like that big a deal until you realize that it will allow *all* of your apps, from any vendor, to share the same list of contacts. Once third-party developers get on board, you'll no longer have to endure laborious multiple entry of your contacts into Entourage, Mail, Palm Desktop, Now Contact, Eudora, or whatever software needs access to your contacts.

We've talked about QuickTime 6 and MPEG-4 in these pages before—and they're still *way* cool. Think video files compressed to one-third the size of DVD video and looking just as good, streaming over the Web with practically no latency. Think audio files one-tenth the size of CD Audio and sounding just as great. That's QuickTime 6's MPEG-4 implementation. ▶

Bigger (but Thinner) Is Better

Size matters, and Apple knows it. Jobs announced new iMacs with bigger, 17-inch screens; a larger-capacity 20GB iPod; and a thinner (18mm) 10GB iPod.

First: the iMac. Apple responded to consumer requests for a larger iMac screen. The new \$1,999 G4 iMac features a 17-inch LCD, with 1440-by-900-



She's sexy at seventeen.

pixel resolution and a cinematic 16:9 aspect ratio for better DVD viewing. It also features an 800MHz PowerPC G4 processor, nVidia GeForce4 MX graphics chip, SuperDrive, and 80GB hard drive. Apple dropped the price by \$100 on its previous top-of-the-line iMac (with an 800MHz processor and 15-inch LCD) to \$1,799.

The new iMac is cool, but the new iPods are cooler. Apple unveiled a 20GB iPod (\$499) with a new touch wheel (a circular version of the touch pad) to replace the previous iPods'



The 10GB and 20GB iPods come with a simple carrying case and a convenient remote—convenient, that is, if your hands aren't Shaq-like.

rotating scroll wheel. It also dropped prices by \$100 on its 5GB iPod (now \$299) and 10GB iPod (now \$399), and made the 10GB iPod 10 percent thinner. Both the 10GB and 20GB iPods feature the new touch wheel, a remote control, and a black carrying case with belt clip. Aided by the new iTunes 3 features (see p18) and the iPod version 1.3 software updater, iPods now let you sort music by genre, composer, most-played songs,

and the new Smart Playlists (see p18). If you like spoken content from Audible (www.audible.com), iPods can bookmark your place. They also download contact and calendar information from the Mac OS X Address Book and new iCal (see p18). Plus, they've got a clock and easier access to everyone's favorite breakout game. Oh, and all sizes of the iPod are now available for Windows users to use with MusicMatch's Jukebox software.

Mac OS X DiXionary

Now that there's a Jaguar knocking on your front door, the era of .mac has arrived, and the digital hub concept has expanded to include mobile phones and PDAs, its time to expand your command of geek speak.

AAC (advanced audio coding) An audio codec that comes with MPEG-4. AAC files are touted as smaller and better quality than MP3 files.

Adaptive Latent Semantic Analysis You're probably already familiar with this phrase (um, *not*). It's a smart way of filtering junk mail. Using this system, Jaguar Mail figures out what's junk by studying the context of keywords in your messages—not just whether or not the keywords appear at all. Best of all, you can train Mail to learn what kind of content, in your opinion, is junk.

Address Book Database Jaguar's system-wide database keeps track of the people in your life and makes their info available to all of your apps. Once third-party developers adapt their software to take

advantage of this capability, you'll only need to update someone's contact information once, instead of updating info separately in each application.

Bluetooth A low-cost, industry-standard wireless connectivity Protocol. Apple has adapted this protocol to allow communication between your Mac and devices such as mobile phones and PDAs—and, in the future, possibly keyboards, mice, and other devices. With a range of about 30 feet and a peak data rate of 1 Mbps, Bluetooth isn't an AirPort competitor.

iChat Apple's new instant-messaging client, compatible with AOL's popular IM service. You can use your Mac.com email address as a screen name to chat with the more than 140 million AIM users out there in Cyberville. iChat interfaces with Address Book

and works with Rendezvous, which automates finding other chatters on your local network.

Inkwell Apple's handwriting-recognition technology. Inkwell is fully integrated into Jaguar's text system, which means all applications should recognize and accept your writing when you input it via a tablet.

Integrated Search A nifty new search tool in Mac OS 10.2. From any Finder window's toolbar, you can now do keyword searches for file and folder names. Slick.

Jaguar The cute code name given to Mac OS 10.2. What's not so cute is the cost: \$129, or \$19.95 for those few of you who buy a new Mac during the narrow window of July 17 through the day when new Macs start shipping with Jaguar.

LDAP (Lightweight Directory Access Protocol) An open industry standard for accessing directory data. This is the standard that Apple has adopted for its Open Directory.

.mac Apple's new collection of Internet services and software (a hopped-up—and no longer free—version of iTools). For the low, low price of \$99.95 a year (\$49.95 the first year for existing iTools customers), you get to keep that Mac.com email address; you also get 100MB of storage, the ability to share iCal calendars with others via the Web, McAfee's Virex anti-virus software, and backup software, among other perks.

MPEG-4 The video- and audio- compression standard on which QuickTime 6 is based. MPEG-4 delivers high-quality video and audio at a lower bit rate, making it perfect for streaming over the Web.

Rendezvous An Apple technology, based on open standards, that allows devices on the same IP network to automatically discover each other, with no configuration

necessary. For example, two Macs can find each other over AirPort or a Mac can seamlessly connect to an IP-based network printer. And when the day comes that stereo systems and home appliances go IP, your Mac will be ready.

Sherlock 3 Finally, a search tool that you'll use. Apple has rewritten Sherlock to evolve channels into Internet services, such as stock reports, yellow pages, airline-ticket reservations, and the like—all displayed directly in Sherlock, no browser needed. For instance, click Sherlock 3's Movies icon, enter your zip code, and find what movies are playing in your neighborhood (even buy tickets and watch the trailer if one's available).

Universal Access A System Preference that lends a hand to disabled Mac addicts. Universal Access offers features like zoom, white on black (creating higher-contrast text, for the visually impaired), and screen flashes as alerts (instead of beeps, for the hearing-impaired).

Software on the Cheap

Why pay \$500 for a product when you're only going to use 5 percent of what it has to offer? There's no good reason when you have alternatives.

Microsoft Office. Adobe Photoshop. Roxio Toast. Of course, you've heard of them. They're the leaders in their software classes and the apps that professionals turn to when they need to do a job right. But do you really need—or want—to spend \$499, \$609, and \$90, respectively, when there are cheaper (or even free) apps that might fit the bill? Yeah, we thought not.

Plenty of economical alternatives have the features you need at a fraction of the cost of high-end software. And don't forget about the apps that come free with your Mac or with certain peripherals—just like Dorothy, you might find you already had what you needed all along.

This month, we show you a few of your options in categories such as word processing, Web browsers, and accounting. We also tell you what you get from paying for premium software. Notice we said *a few* options—there's so much Mac software available (by the way, that's a *good* thing) that it's not possible for us to show you all the alternatives. Still, we'll give you an idea of what's out there and how to make the most of it.



ThinkFree Office 2.0 trial,
Now Up-to-Date &
Contact 4.2.1 trial,
Accounts 1.3,
GraphicConverter 4.4,
OmniWeb 4.1,
SilverKeeper 1.0.1,
Chimera 0.3,
Internet Explorer 5.2,
and Netscape 6.2.3.

by Deborah S. Shadovitz

photograph by Mark Madeo

Productivity

Microsoft Office vs. ThinkFree

No question that the de facto app in the business arena is Microsoft Office. But at \$499, it takes quite a bite out of your wallet. Sure, there are popular alternatives, such as AppleWorks and Nisus, but unfortunately, while they do OK with Word docs, they either can't handle or don't do well with Excel or PowerPoint files. Enter the \$50 alternative: ThinkFree Office.

Microsoft Office consists of Word, Excel, PowerPoint, Entourage, and MSN Messenger. ThinkFree provides parallel applications for each program except Entourage and Messenger, enabling you to create, read, and edit documents in the same format as Microsoft Word (.doc), Excel (.xls), and PowerPoint (.ppt). This lessens file-compatibility issues and enables ThinkFree-created docs to open directly in Office.

If you're familiar with the Microsoft apps, you'll be at home with ThinkFree. Menus and toolbars resemble those in Office, although they're not customizable (you can't have everything). To give you an idea of how these two suites stack up, we'll look in more depth at their word processors.

The ThinkFree Edge

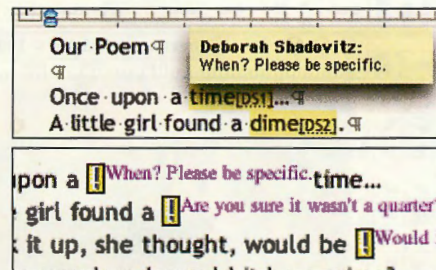
Like Word, ThinkFree Write provides basic word-processing functions, including styles, spacing and alignment, line numbers, and bullets. And it's got you covered for headers and footers, margins, hyperlink creation, and form creation.

ThinkFree even one-ups Word on the HTML front. Although Word allows you to save as HTML, it's not fair to unleash that low-quality HTML code on any unsuspecting browser or nice Web designer. ThinkFree handles Web-page creation; does a much nicer job

with HTML; and has the ability to create image maps, frames, and forms. It also supports applets and provides editable HTML.

Speaking of the Web,

ThinkFree Office offers a feature called Cyberdrive—20MB of secure, online storage. It also provides ThinkFree Folders, a file browser that enables you to manage all the files and folders on your hard drive and your Cyberdrive. And the program lets you mount an iDisk (or another WebDAV volume for Internet sharing), so you can include that volume in your ThinkFree Folders for sharing.

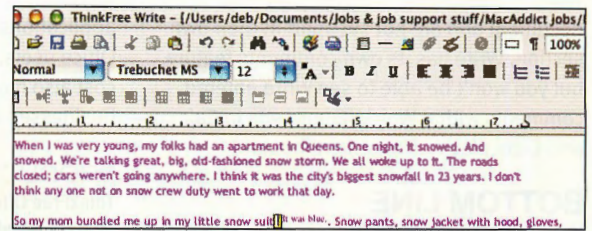


Comments look quite different in Word (top) than they do in ThinkFree (above).

ThinkFree comes with a one-year subscription to CyberdrivePlus (after that, Cyberdrive is \$29.95 a year), which includes access to your Cyberdrive, plus unlimited downloads and upgrades of the app (so you can use it anytime, anywhere). As it's Java based, ThinkFree also runs on Windows and Linux. (And yes, Java can be a bit slow.)

The Word Edge

So what do you give up by going with ThinkFree Write over Word? First, interactive spelling checks (those red squiggly underlines that pop up in your documents when Word thinks you've misspelled a word),



ThinkFree Write's interface looks a lot like Word's.

AutoCorrect for fixing typos, a thesaurus, and a grammar checker. (Note: ThinkFree does have a spelling checker.)

Word has strong table abilities, and ThinkFree Write matches Word in this area—almost. In Write, you'll give up table sorting, slanted text, automatically fitting a cell to the text, distributing rows or columns evenly, turning tab-separated text into a table, and computation.

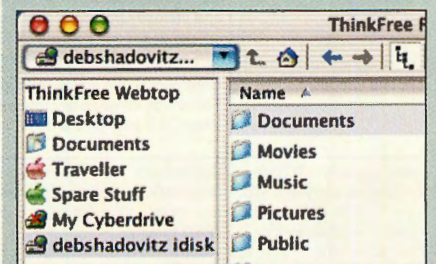
ThinkFree is also missing power-user features such as Track Changes, indexes, tables of contents, Tables of Authorities, equations, add-ins, footnotes, and multiple window views. Other things Write doesn't have at this time are data merge and an equivalent of Word's envelope and label features. Nor does Write provide macros, which let you automate tasks (and spread viruses); AutoFormat; or AutoSummarize.

If you're big on using Word's comments feature, note that Write can read Word's comments, but they appear at the end of the

Get in Touch with iDisk

ThinkFree Office can read and write directly to your iDisk, even if you're not on your own Mac. Here's how.

1. Launch ThinkFree Folders, then select Tools > Web Folder > Connect To Web Folder.
2. Enter your iDisk location using the following format: `http://idisk.mac.com /user name`, where the user name is the name of your iDisk account.
3. Enter your user name and password.
4. Enter a name for your iDisk. When you're done, the iDisk will appear in your folder pane with the iDisk name you entered.



Mount your iDisk via ThinkFree.

Word Alternatives

Apple's AppleWorks (\$79.99, www.apple.com) and Nisus Writer (\$79.95, www.nisus.com) have long been favorites for many Mac users—and for good reason. They are both solid, affordable word-processing alternatives.

AppleWorks offers word-processing, spreadsheet, drawing, and painting capabilities, and even includes a database. It doesn't have all of Word's bells and whistles, but it does everything that perhaps 80 to 90 percent of users typically need to do. And don't forget—it's a true drawing program, does better text wrapping around images than Word, and even wraps text around an embedded, active spreadsheet. Thanks to built-in DataViz translators, AppleWorks does a pretty good job of reading and writing Word files.

At one time, Nisus Writer led the way in brilliant word-processing abilities. It has long had the ability to select noncontiguous text—something Word just added in v. X. It was also the leader in international word processing, providing multilingual support. As with AppleWorks, built-in translators enable you to exchange content with people using Word. However, it's possible that not all documents will translate and there may be differences in formatting. As of press time, Nisus for OS X was under development.

document and are not set apart in their own section. Write has its own comments feature, but you won't be able to see Write-entered comments within Word. (Comments in Calc and Excel play well together, though.)

BOTTOM LINE

If you use Microsoft's power features, such as Track Changes and the ability to generate a table of contents, stick with Office. If you're just a casual user or you need Office

applications mainly so you can work with Office users, consider ThinkFree. Its low cost also makes it a good choice for small businesses and schools.

PRODUCT FACTS

ThinkFree Office (\$49.95, www.thinkfree.com),
Mac OS 9 and X

Microsoft Office (\$499, www.microsoft.com/mac),
Office 2001 for Mac OS 9, Office v. X for Mac OS X

Going Lossless in GraphicConverter

If you want to rotate a JPEG quickly to pop it into a Web page, use the GraphicConverter file browser. This rotates the JPEG in the Finder, so there's no loss in quality as there would be if you opened it and resaved it. (If a JPEG doesn't qualify for lossless rotation, a dialog appears to warn you and provides options.) For more GraphicConverter tips, check out "How to Solve Graphic Dilemmas Quickly" on p60.

Image Editing

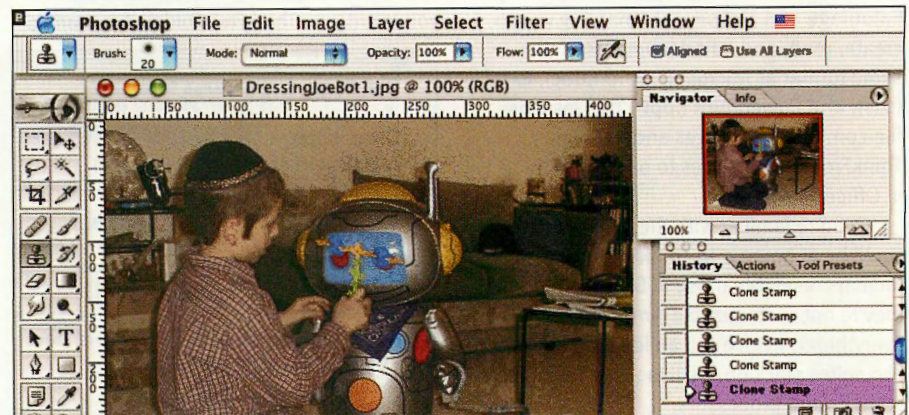
Photoshop vs. GraphicConverter

Adobe Photoshop is the king of image editing, creation, and manipulation—no question about it. But if you're simply seeking to convert an image to a certain format or you need to do a bit of basic filtering or image-resolution work, Photoshop might be overkill for you and your credit card. Instead, check out Lemke Software's GraphicConverter.

Although we are talking about GraphicConverter as an alternative to Photoshop, it's not really a competitor. We just want you to know that you may not need Photoshop for what you're doing, especially considering that GraphicConverter offers a ton of features for an extremely low price. Other options include Apple's iPhoto and Adobe's Photoshop Elements, depending on what you need to do (see "Steady Alternates: iPhoto and Elements," p23).

The GraphicConverter Edge

GraphicConverter has forever been a lifesaver for many graphics-oriented Mac users, opening more than 160 graphic formats and



Photoshop offers advanced photo-manipulation options, such as cloning.

saving in more than 45.

But GraphicConverter does far more than its name implies. It can also handle basic image manipulation. If you're looking to adjust image levels, sharpen, run filters, alter resolution, copy and paste, add lines and callout circles, make part of an image transparent, save for the Web, and so on, you

can do all that with GraphicConverter. It even has an excellent file browser, on par with or perhaps better than Photoshop's (see "File-Browser Match-Up," below).

Additionally, GraphicConverter is the most-recommended app for reading email faxes in JFAX or eFax format (.jfx) and FaxWave format (.xif). These multipart TIFFs, aka Tiff-F files, are not common, and Photoshop can't read 'em.

The Photoshop Edge

No other software enables you to do as much as Photoshop to create an image, repair it, or



GraphicConverter may be all you need for editing your images.

File-Browser Match-Up

File browsers enable you to look at a group of pictures and even tweak them without having to open them. Here's a look at how to use some of the main features of both GraphicConverter's and Photoshop's file browsers.

| Task | GraphicConverter | Photoshop |
|--|---|---|
| View a folder full of images | Drop the folder onto a GraphicConverter alias or its icon in the Dock. | Choose Window > File Browser, then navigate to the folder. |
| Sort images | Control-click anywhere in the browser white space and choose GraphicConverter > Preferences. In the left pane, choose Browser > General and a way to sort (name, dates, size, ascending or descending). | Choose from 11 sorts in the first menu at the bottom of the image area. Then choose ascending or descending. |
| Rotate images | Control-click the image and choose a rotate option. The image immediately rotates in the Finder (Mac OS X may take time to update the icon). | Control-click the image and choose a rotate option. Photoshop rotates the browser preview and then rotates the image for real when you open it. |
| Add and edit IPTC info (keyword, copyright info, and so forth for sharing graphics on servers or for publishers) | Control-click the image and choose Edit File Info. GraphicConverter does the task without opening and resaving the image, and without any loss in JPEG quality. | Open the image and choose File > File Info. |
| Create a slide show | Command-click to select desired images. Control-click one, then choose View Item(s) In Slideshow. | N/A |

turn it into something completely different. Turn to Photoshop to compile multiple images on layers; add text; feather an image; or add drop shadows, embossing, or other effects. (Adobe Elements is another option for this sort of stuff.) And when you need super image-repair tools, you definitely want Photoshop's (version 7's healing brush, for example).

When you think images, don't just think Photoshop. Sometimes GraphicConverter will do the trick, plus it's great for format conversion and reading rare graphic formats. Of course, for the ultimate image-creation, cleanup, and tweaking tools, Photoshop goes unrivaled (although Photoshop Elements may cover your needs).

**Adobe Photoshop 7 (\$609, www.adobe.com),
Mac OS 9 and X**

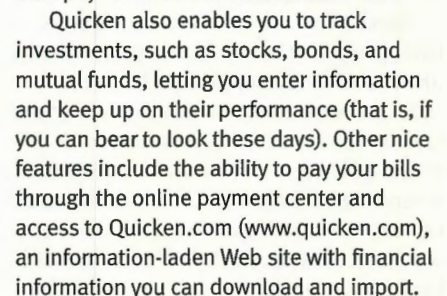
Finance

Quicken vs. Accounts

One feature Accounts does not yet have is Quicken-style account reconciliation. But based on the application's evolution so far, we figure that can't be far away.

Quicken has a familiar interface, and its powers go beyond money tracking. It provides many financial-planning tools, such as budgeting, planning calculators, and mortgage tracking. It also has a tax planner and a tax-deduction finder. It offers a free copy of your credit report and a feature for

Quicken
features a
classic
checkbook-
style interface
for record
entry.



Accounts provides a fresh way to track your money's flow, and also provides business-accounting features more along the lines of QuickBooks® or MYOB's. If you want tools for investment tracking or financial planning, Quicken remains the better choice. If you just want basic money tracking, choose the one with the interface you prefer.

Quicken 2002 Deluxe (\$59.95, Intuit, www.intuit.com), Mac OS 9 and X (you may have to pay extra for some Web-based investment tools)

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Backup

Retrospect Backup vs. SilverKeeper

Even the best computers in the world aren't exempt from bad falls, file loss, or file mess-ups. That's when backups become your best friend. Dantz's Retrospect backup software line debuted in 1989 and quickly became *the* name in backup. The company even offers a low-cost version (Express) that fits the needs of the average single-Mac user. But free can always be a nice alternative, and LaCie's free SilverKeeper might do the trick for you.

The SilverKeeper Edge

LaCie's SilverKeeper is a no-cost solution for a very real need—backing up. It's free; there's no reason to avoid it. (OK, you need storage media, but we're sticking to the "it's free" claim.)

SilverKeeper is a very easy-to-use, basic backup app. Just launch it, choose a Source (the volume or folder you're backing up), choose a Destination (the disk to which you're backing up), then click Go and kick back. It's got a Schedule tab, but as we write this, scheduling is a pending feature. SilverKeeper can back up to any device you can mount on your Mac's desktop, whether it's an external hard drive, a Zip disk, or a recordable CD (as long as it's a visible volume).

SilverKeeper makes an exact copy of your hard drive—and it doesn't recopy the entire drive each time you back up. If a file is on your drive, it's on your backup. If you delete a file from your drive, it gets deleted the next time you back up (although you can tell SilverKeeper not to remove deleted files from your backup in case you want to keep them on tap). SilverKeeper uses the Finder for its operations, so other Macs can read your

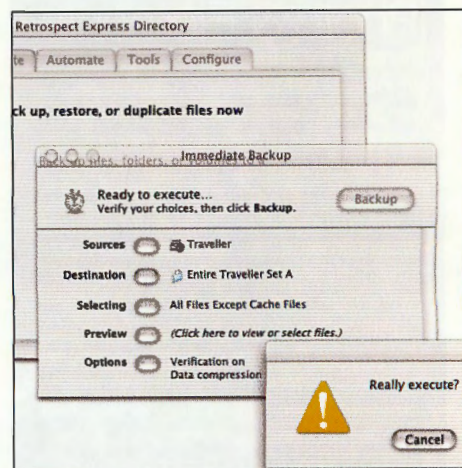
backups without the aid of extra software. Your backup looks just like your hard drive, with folders and files you can see, read, and copy back to your hard drive anytime.

The Retrospect Edge

The Retrospect products exceed SilverKeeper's scope by performing a progressive (aka incremental) backup. The first time you do a backup, Retrospect copies all of your files and creates a backup log, called a catalog, on your hard drive (or in a location you specify). Each time you back up subsequently, the program adds only the new or changed files, storing old versions and deleted files. Should you need an old file, launch Retrospect, search the catalog, and restore selected files. You can also perform a complete restoration through Retrospect. (If the catalog on your hard drive becomes unusable, the app can build a new one from the archive.) Retrospect can also do a simple SilverKeeper-like backup.

Retrospect comes in two versions: Retrospect Express, offering basic personal backup for the home user, and Retrospect Desktop, providing professional features for a single workstation or for multiple machines via additional client software, with filters and support for higher-end tape drives. Both products allow you to back up to more media than SilverKeeper does: Express can back up to CD or DVD media, Zip, Jaz, SuperDisk, MO (magneto-optical), DVD-RAM, hard drives, and even an Internet FTP site; Desktop also backs up to most SCSI and FireWire tape drives.

Retrospect provides handy automatic scheduling. Its EasyScript interviews you and



Retrospect makes it easy for you to set up a source and destination for your backup.

writes the backup script. Backups run even when no Mac OS X user is logged in—excellent for security reasons. But Retrospect can't do *everything* for you—you still have to put the media in place yourself.

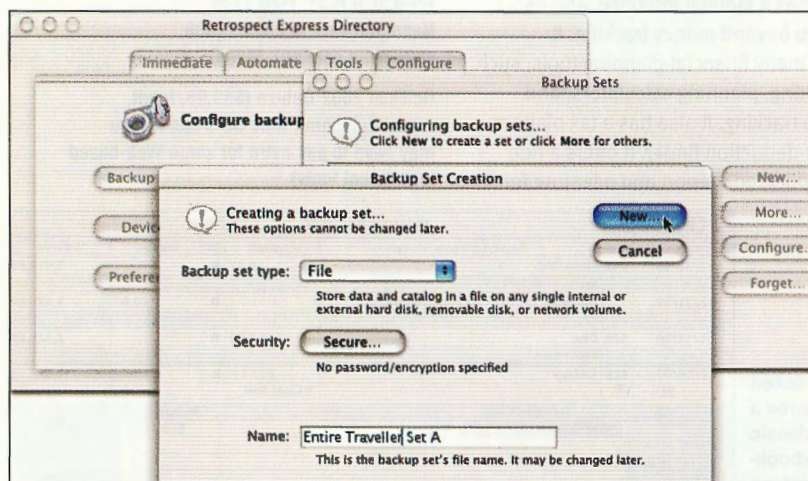
The Bottom Line

If you just want a mirror of your hard drive, SilverKeeper will do the job. But to back up to anything other than a mountable disk, or to keep a historic copy of your files, you'll need Retrospect. In the end, SilverKeeper is probably enough for most people. But for \$79, you can have a lot more security and flexibility with Retrospect Express.

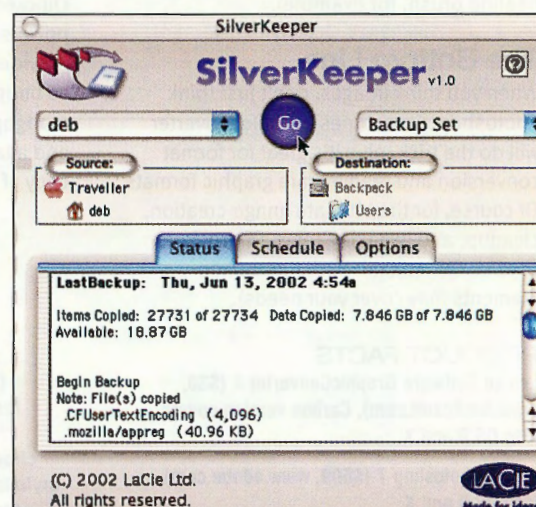
PRODUCT FACTS

LaCie SilverKeeper (free, www.silverkeeper.com), Mac OS 9 and X

Dantz Retrospect Backup 5.0 (Express, \$79 or as part of Norton SystemWorks; Desktop, \$249; www.dantz.com), Mac OS 9 and X



Here we're setting up Retrospect to back up an entire hard drive to an external hard drive. Notice that to back up to the hard drive, we chose File, not Removable Disk.



SilverKeeper is easy to set up and get ready to go.

Web Browsing

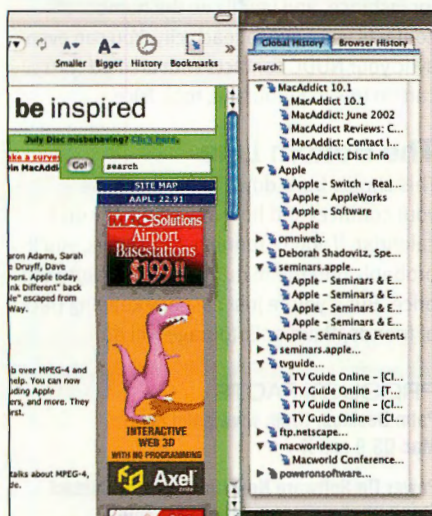
Internet Explorer vs. OmniWeb

When it comes to alternative browsers, the tables have turned. Microsoft Internet Explorer is the most-used browser, but it's free. The Omni Group's OmniWeb is a competitor, but it costs \$30 (which hearkens back to the early days of the Web, when we paid for browsers). So what do you get when you pay \$30 for a browser? Let's take a look.

The OmniWeb Edge

OmniWeb is a nice-looking browser. It is built in Cocoa, aka specifically for Mac OS X, and takes advantage of drawers, sheets, and multiple processors.

OmniWeb takes a few of IE's innovations further, providing more convenience than ever. For example, it sorts your browsing



OmniWeb's well-organized History makes it easy to return to a site.

history by domain, making it easier to revisit pages, and it advances the idea of AutoFill, enabling it to learn from the various forms you fill out. It also adds a classy look and more info to the download interface. Instead of a plain source viewer, as in IE, OmniWeb provides syntax coloring and error detection. OmniWeb's source viewer is actually an editor, so you can compact and reformat code, and even upload changes to your server via http if that's permitted.

OmniWeb introduces new features, including the ability to set a preferred window size and position, speech capabilities for reading selected text, the ability to disable JavaScript pop-up windows, flexible cookie preferences, and bookmarks that check for updates. OmniWeb also provides ad blocking and privacy by allowing you to enable or disable downloading of various images. (Some of the other new browsers are also doing these things.)

On the other hand, OmniWeb lacks full JavaScript—and hence Dynamic HTML—support, which can greatly affect a user's viewing of Web sites. (DHTML adds more multimedia and interactive features to the Web page's interface, but version 5 is due in early 2003 and should include that feature.)

The Internet Explorer Edge

Microsoft's IE is not the most-used browser just because it's free; it has innovative features and great standards compliance (OK, a bit of bullying might have played a role in its preeminence).

One of IE's cooler features is Page Holder.

From IE to OW

Are you an Internet Explorer user who wants to try OmniWeb? You can get to all your favorite sites easily from the same bookmarks just by dragging an address from your IE Favorites or toolbar into the OmniWeb toolbar. You can also open Window > Favorites or Window > History and drag the icon for a URL into any open OmniWeb Bookmarks window. Or import bookmarks via the Bookmarks menu.

The Page Holder window stores a Web page for you, so you can click links from that page and view the results in the main window. There's also Scrapbook, which captures a page for posterity, and the auction tracker, for those who follow eBay's action.

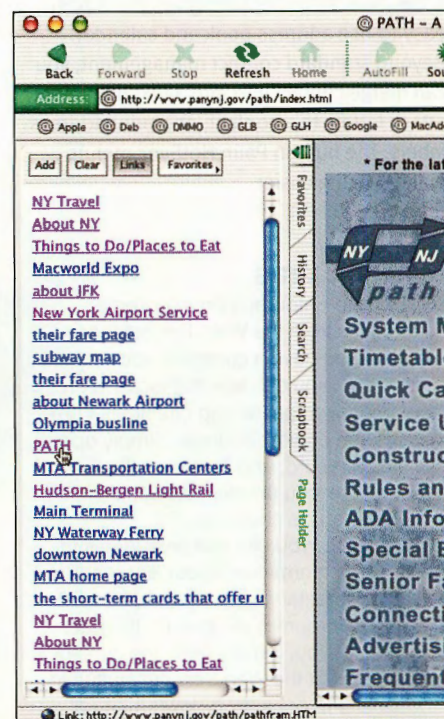
The Bottom Line

OmniWeb is very promising and has several features that may compel you to shell out \$30. Its lack of JavaScript and DHTML prevents us from saying you should buy this product now. For the moment, Internet Explorer remains the browser you can rely on.

PRODUCT FACTS

The Omni Group OmniWeb 4 (\$29.95, www.omnigroup.com), Mac OS X

Microsoft Internet Explorer (free, www.microsoft.com/mac), Mac OS 9 (version 5.1) and X (version 5.2)



Use IE's Page Holder to keep a list of links from one page and view the resulting page in the main window.

Backstreet Browsers

OmniWeb isn't the only alternative browser for Mac OS X. Like OmniWeb and IE, all browsers these days are aiming for full standards compliance (so pages will render correctly and be accessible for as many visitors as possible). But as we write this, none of the alternatives listed below really has DHTML down yet, and all—except perhaps for Netscape—have an incomplete feature set. Still, we encourage you to check them out.

- * **Mozilla**, aka Fizzilla (free, www.mozilla.org), looks very much like Netscape. Features include the old Netscape elements, such as email and a tool for Web-page creation.
- * **Chimera**, aka Navigator (free, <http://chimera.mozdev.org>), is built in Cocoa and truly takes advantage of the Aqua interface.
- * **Netscape** (free, www.netscape.com) continues to provide the features to which users are accustomed, as well as finishing touches, such as keeping a page-visit history after you close a window. It still provides the strong standards support found in version 6.
- * **Icub** (\$29, www.icub.de), a Mac-only browser, has been in development for a few years and is still a work in progress.
- * **Opera** (\$39, www.opera.com), from Opera Software, currently offers a beta version for Mac OS X and has versions out for just about every platform.

Organization

Now Up-to-Date/Contact vs. Entourage vs. Palm Desktop

When it comes to keeping track of our contacts and busy lives, many Mac users take advantage of free apps like Palm Desktop and Microsoft Entourage (yes, technically the latter's not free, but you probably didn't buy Office just to get Entourage). Power On Software's Now Up-to-Date & Contact (NUDC) is a commercial app that costs more than \$100 and might be worth the expenditure, depending on your needs.

Each app has a contact manager and a calendar that provides viewing by the day, week, and month. Each provides PDA synchronization to the Palm OS (this is sacred). Each enables note-taking. Each prints address books and calendars. Each provides the built-in ability to copy a record's contact info and paste it elsewhere. Each supports the use of AppleScripts to add functionality. And each adds some vCard (personal info) and/or vCal (calendar and scheduling) support (Palm offers both; NUDC has vCard and plans to add vCal support; and Entourage has vCard, but not vCal).

The Palm Desktop Edge

Besides being free, Palm Desktop (formerly Claris Organizer) doesn't have much of an edge. The Palm folks have done little with the app since they took it over from Claris in 1998. Still, Palm Desktop gives you a basic, easy-to-use address book and calendar. Beyond standard contact management, you can merge contact info into a text document, attach letters to a contact, and print address labels. The built-in Palm HotSync menus make syncing easier.

Online Extras

NUDC and Entourage provide some nice tie-ins from the Web. For instance, anytime you have a complete address in Entourage, you can see that location on a map or even get driving directions from your home or work address. Simply open a contact record, and then click the appropriate icon (a little man with an "i" button on his shoulder).

In NUDC, you can use an address to get a lot of information about an area (like weather or restaurants). If you have a full name, the program will look up the phone number for you. Simply open the contact, and then click the Web Services button in the toolbar to get a drop-down menu of choices (or select Contact > Web Service). If you're online, NUDC will whisk you to Power On's own site for the information.

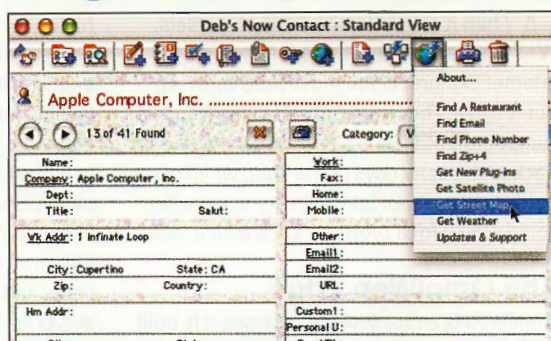
The Entourage Edge

Entourage's primary function and greatest strength is email. That means you get some nice features; for example, Entourage can extract contact information from an email message. After someone emails you, just choose Tools > Add To Address Book. That's something NUDC and Palm can't do. (You still have to add everything besides the name and email address, though.) You also get a few cool Web services, like maps and directions to any entry in your address book (but not as many services as Now Contact provides) and international-address formatting. Many AppleScripts add other functionality to Entourage (find them at AppleScriptCentral, www.applescriptcentral.com).

The NUDC Edge

NUDC offers the most power-user features, making it a good choice for business. The contact-management tools include automatic capitalization of proper nouns, autocompletion, automatic address lookup, addresswide updates (when one person at a given address moves, Now Contact offers to update everyone else at that address), and a fully automatic tool for merging duplicate contacts. (You can kind of do this last task in Entourage via AppleScripts.)

Another nice feature is NUDC's integration with either the menu bar or the Dock, which enables you to do things without even running NUDC, such as find a contact, copy and paste contact info, and create a new event. NUDC



Now Contact's Web features are above and beyond those of other calendar-and-contact apps.

also has killer Web services (see "Online Extras," below), as well as several other nice touches. Control-click any contact's City field, for instance, and you'll see the number of contacts you have for each city. You can even sync your NUDC contacts with an iPod (you can do this in Entourage, too). Nice.

The Bottom Line

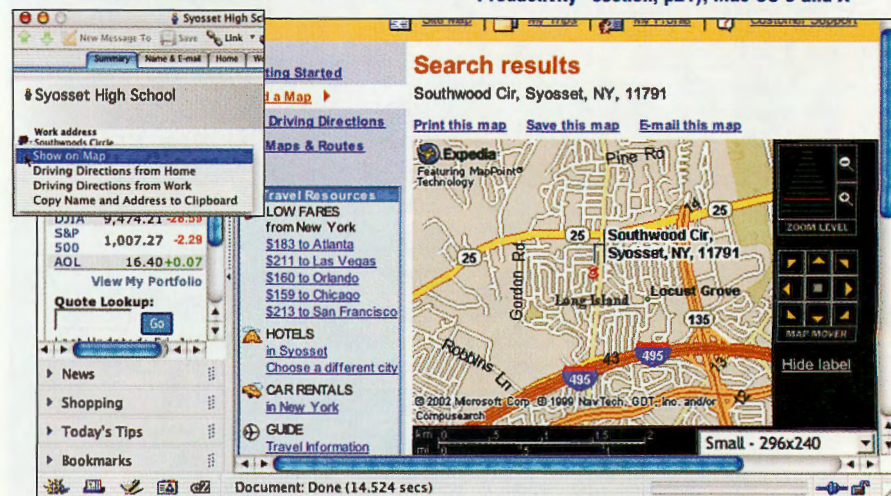
This choice boils down to how you use your contacts and how much you rely on a calendar. If you're running a business, you'll probably find the features in NUDC worth the price. But if you're just casually keeping track of friends, Palm or Entourage will do.

PRODUCT FACTS

Palm Desktop, (free, www.palm.com),
Mac OS 9 and X

Power On Software Now Up-to-Date & Contact
(\$119.95, www.poweronsoftware.com),
Mac OS 9 and X

Microsoft Entourage (comes as part of Office or of the Word bundle; see product info in the "Productivity" section, p21), Mac OS 9 and X



In Entourage, you can link straight from one of your addresses (inset) to a map on the Web (above).

CD Burning

Toast vs. Disc Burner

Since 1996, Roxio Toast has been the standard software for CD burning, but now every Mac comes with Apple's CD-burning software, Disc Burner. So do you still need Toast?

Both applications perform basic CD-burning functions. Both let you copy files from your hard drive or other mounted volumes, as well as record music as audio CDs or MP3s. Both help you figure out what you can fit on the CD as you add files. Toast reports the cumulative size of the file, while Apple's Disc Burner shows you the space available when you double-click the CD (as long as you have View > Show View Options turned on). But each looks and acts differently, and Toast provides some extra features.

The Disc Burner Edge

Using Disc Burner is a piece of cake. Pop a blank CD into your recordable drive, and Disc Burner asks if you'd like to format it in one of three ways: standard HFS+/ISO 6990 (which you can read on Mac or PC), iTunes Audio CD, or MP3 ISO 6990. Double-click the CD when it appears on your desktop, drag your files to the volume, then choose File > Burn Disc.

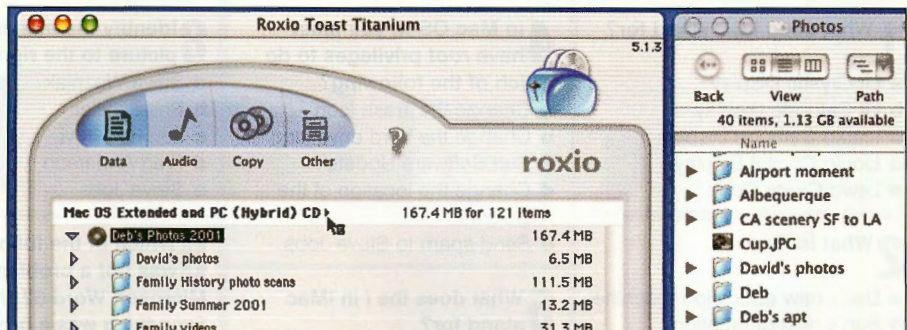


Disc Burner is a brain-dead-simple way to burn basic CDs.

By using iTunes in conjunction with Disc Burner, you can create your own audio CDs. Within iTunes, you can even set gaps between songs and the volume of each track to accommodate varied recording levels.

The Toast Edge

Whereas Disc Burner can create CD backups and groovy music disks, Toast can do just about everything you can imagine related to CDs. And using Toast is a cinch.



We're only using 167.4MB of space on this CD for now. But since we're using Toast, we can take advantage of the free space later.

Disc Burner can handle the most common CD formats, but Toast can still make a CD that a pre-HFS+ system can read, as well as burning enhanced CDs and many other formats. Toast also provides a simple, two-click method to make an exact, bit-for-bit burn of any compliant, non-copy-protected DVD or CD, such as Enhanced Music CDs, Video CDs, Karaoke CDs, some PlayStation CDs, and other CD-ROM XA and mixed-mode CDs. (If a CD is recorded as multisession, though, Toast will copy only the first session.) Plus, using iTunes along with Disc Burner, you can convert MP3, AIFF, or WAV formats. Toast also converts many other audio formats.

Toast offers several other big-time features. One of these is multisession burning, which allows you to add files to a CD you've already burned (provided there's

Toasting Multiple Copies

Have you ever wished you could burn multiple copies at the same time? With Toast, you can. Of course you must have multiple CD burners to pull this off. Here's the trick: Hook up all those burners and fire them up. Select Toast in the Finder and duplicate it (File > Duplicate or Command-D). Launch the original and duplicate programs. In each copy of the app, choose one target recorder and set up the burn as normal. It's OK that they all access the same disk or volume. Click Record for each burn.

space on it). In case you're creating a professional music CD that must conform to Red Book audio standards, Toast's Disc At Once feature is there for you. (Red Book doesn't allow any gaps between music tracks.) Or if you want the music to flow just right, you can use Toast to set the timing between each track. If you're creating a DVD with DVD Studio Pro, Toast provides the opportunity to add plain data files, such as PDFs, to your DVD.

The Bottom Line

Apple's Disc Burner is great for filling up a CD full of stuff you want to back up or archive, whether for use on a Mac or PC. It also burns music CDs via iTunes, and lets you burn MP3s. But Toast offers you a lot more options, such as multisession burning. So if you're really into burning CDs, when you've got some spare money on hand, consider laying it down for Toast.

PRODUCT FACTS

Apple Disc Burner (free with Mac OS 9 and X)

Roxio Toast (\$89.95, www.roxio.com), Mac OS 9 and X

Ironically, it was a Microsoft rep's demo of Windows (back in 1989) that sold Deborah Shadovitz on the Mac. She's been teaching people how to use their Macs, and writing books and columns about the Mac, ever since.

Making a Disc Copy with Disc Burner

Toast enables you to copy just about any disc easily—but if it's a data disc you're after, you can also use Disc Burner in conjunction with Mac OS X's Disk Copy. First use Disk Copy to make a disc-image file (Image > New Image From Device). Then choose Image > Burn Image to select the image and burn the copy. (Note: We're not encouraging you to copy commercial products. We're providing this information so you can back up your own data or install discs.)

The difference between the Toast and the Disk Copy/Disc Burner duo is that Toast does a bit-for-bit burn, which captures and re-creates the actual disc formatting, while the Apple method images only the data, not the disc format. Thus, the Apple result is a data CD—great for making a backup of an important CD, but not helpful for copying that music mix you just burned (or that video disc you're hoping to copy).

The Ultimate MacAddict Quiz

Fancy yourself a Mac geek? Think you can take on Steve Jobs and his team of engineers in a battle of brains? Convinced that *you* should be editor in chief of *MacAddict* magazine?

Then prove it. Take our quiz to find out your level of Mac expertise and addiction. Our 60-question quiz (earn one point for each correct answer, plus extra credit) tests your Mac IQ on a wide range of topics, including hardware, the OS, Apple history, Mac culture, and your favorite magazine (uh, that'd be this one). Oh, and one more thing: You *could* find the answer to every one of these questions by using your friend and ours—Google. But then you would live the rest of your life knowing that you are *nothing more* than a Mac addict poseur.

Now that we've infused you with enough warnings about the immorality of cheating, it's time to get on with the quiz. Good luck!

1 What does LCD stand for?

- a Lit Crystal Display
- b Lit Cathode Display
- c Liquid Cathode Display
- d Liquid Crystal Display
- e Lewd Crude Dude

2 What is Xserve?

- a Dell's new education machine
- b Sun's next-generation workgroup server
- c Apple's new rack-mount server
- d Apple's server operating system
- e Reviews editor Niko Coucouvanis's favorite porn site

3 Who directed the famous "1984" Apple ad, which debuted during the third quarter of Super Bowl XVIII?

- a Steven Spielberg
- b Ridley Scott
- c George Lucas
- d John Hughes
- e Andrew Tokuda

EXTRA CREDIT: Who won the Super Bowl that year?

- a Los Angeles Raiders
- b Washington Redskins
- c Los Angeles Rams
- d Miami Dolphins
- e I'm a Mac geek, not a jock—give me a break



You're one step closer to being a Mac addict if you know who directed Apple's "1984" commercial.

4 In Mac OS X, you must have root privileges to do which of the following?

- a Change the Trash icon
- b Change the hard drive icon
- c Run Software Update
- d Change the location of the Dock
- e Send spam to Steve Jobs

5 What does the i in iMac stand for?

- a Interactive
- b Internet
- c Injured
- d Intelligent
- e Intel

6 Who was the founding editor of MacAddict magazine?

- a David Reynolds
- b Rob Capps
- c Rik Myslewski
- d Cheryl England
- e Cheryl Tiegs

7 In games, what does the term MIP mapping mean?

- a A technology for giving objects the appearance of texture
- b The smoothing out of jaggies on the edges of objects
- c A technology for storing and generating differently detailed versions of one texture map
- d A technology for making sure level maps don't look bitmapped
- e The opposite of trilinear flip-flopping

EXTRA CREDIT: The MIP in MIP mapping stands for:

- a Multiple Isometric Packaging
- b Multum in Parvo
- c Multi Inference Pass
- d Magnum in Populo
- e Many Insane Programmers

8 Identify the man in the picture to the right.

- a Steve Wozniak
- b Phil Schiller
- c Jon Bon Jovi
- d Fred Anderson
- e Steve Jobs



9 Which of the following was not a problem with Microsoft Word 6? (Note: Everything was a problem is not an acceptable answer.)

- a Long load times
- b Typing-latency issues
- c Didn't follow standard Mac-naming conventions
- d Didn't allow you to save more than two pages in a document
- e Sometimes had problems finding parts of itself

10 What is Bluetooth?

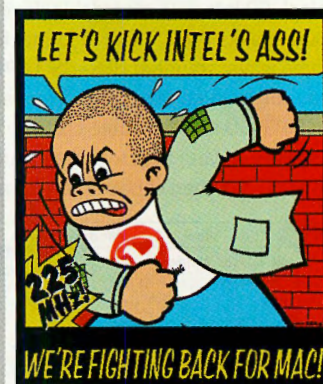
- a A short-range wireless technology
- b The code name of the 1GHz G4 chip
- c A new networking protocol
- d A new type of compact memory
- e A type of blood disease that turns your teeth blue

EXTRA CREDIT: Who is Bluetooth named after?

- a A Caribbean pirate who stained his teeth by eating blueberries
- b A Viking king who stained his teeth by eating blueberries
- c A Spanish explorer who stained his teeth by eating blueberries
- d An Ericsson board member who stained his teeth by eating blueberries
- e There's no way blueberries were involved in this

11 In the mid-1990s, which company staged the famous "Fight Back for the Mac" ad campaign?

- a Power Computing
- b Umax
- c Microsoft's Mac division
- d Apple
- e McDonald's



This famous ad campaign helped revive the Mac.

12 What was never a color for one of Apple's products? (Hint: The one that should be a joke answer isn't, sadly.)

- a Lime
- b Sage
- c Snow
- d Cherry
- e Blue Dalmatian

13 What does kerning do?

- a Change the space between letters in a paragraph
- b Change the space between two individual letters
- c Change the space between lines of type in a paragraph
- d Change the space between two individual lines of type
- e Remove the oily sheen from cheese that's been left out too long

SCORE 0 TO 15: YOU ARE A

CocoaPuff

If you think "Cocoa Puff" is merely a reference to a cloying breakfast cereal hawked by Sonny the Cuckoo Bird, you fit into this category. (Actually, if you knew the name "Sonny the Cuckoo Bird," you're a geek of an entirely different type, but that's another story.) You're either new in your Mac addiction—in which case, welcome aboard—or you simply use a Mac because it's better than a peecee, and you don't care to learn too much about its innards or history. It's OK—we still like and accept you.



14 What is the bus speed of the latest G4 Titanium PowerBooks?

- a 66MHz
- b 100MHz
- c 133MHz
- d 266MHz
- e 50 mph



How fast is the system bus in this puppy? True geeks know the answer.

15 What does yacc (a Terminal command that comes with the developer tools) stand for?

- a Yet Another C Compiler
- b You Are Criminally Crazy
- c Yet Another Compiler Compiler
- d Yes Another Compiler Compiler
- e Wait a second, isn't that a large grazing mammal?

16 Who invented the World Wide Web?

- a Jim Clark
- b Bill Gates
- c Tim Berners-Lee
- d George Bernard Shaw
- e Al Gore

17 What does AGP stand for?

- a Advanced Graphics Processor
- b Additional Game Power
- c Artificial Gaming Prowess
- d Accelerated Graphics Port
- e Adjustable Grappling Pole

EXTRA CREDIT: Who invented AGP?

- a Apple
- b nVidia
- c Intel
- d IBM
- e Al Gore

18 Who owns the MP3 codec patent?

- a Sony
- b Real
- c Schmitt
- d Fraunhofer
- e Celine Dion

19 Which of the following features will Apple's next major rev of Mac OS X (code-named Jaguar) include?

- a Quartz Deluxe
- b Windowshade
- c Handwriting recognition
- d A chat client for MSN Messenger
- e A Windows XP emulation environment

20 Which of the following is not a failed Apple technology?

- a OpenDoc
- b CyberDog
- c eCat
- d eWorld
- e eMate

21 Which of these Terminal commands is a line-based text editor?

- a vi
- b ed
- c emacs
- d pico
- e jenna

22 Which two companies were not authorized Mac clone manufacturers in the mid-1990s?

- a Motorola
- b Umax
- c DayStar
- d Atari
- e The Royal Scottish Ovine Society



Companies were cloning the Mac long before Dolly came around.

23 Which of the following is a networking protocol?

- a VIP
- b RIP
- c PU
- d FPU
- e SOB

24 What person or item was on the cover of the first issue of MacAddict?

- a An apple
- b Steve Jobs
- c A Power Mac
- d Gil Amello
- e Madonna

25 What did the first Macintosh become known as?

- a Mac Plus
- b Mac 128K
- c Mac SE
- d Mac Classic
- e Mac Classless

26 What is Cocoa?

- a An application environment for developing Mac OS X-only programs
- b A tool enabling developers to port their Mac OS 9 applications to Mac OS X
- c The compiler used to build Mac OS X
- d A debugging tool for Mac OS X developers
- e The stuff that makes milk yummy

27 In what year did Apple introduce the first SuperDrive?

- a 1988
- b 1999
- c 2001
- d 2002
- e I can't afford one so I don't care.

28 Name the delicious-sounding software company responsible for a slew of classic Mac arcade clones:

- a Hot Dog Interactive
- b Ambrosia Software
- c JellyVision
- d Popcorn Productions
- e Peachpit

EXTRA CREDIT: What was that company's first game?

- a Maelstrom
- b Vortex
- c Apeiron
- d Twister
- e Cyclone

29 What was the Apple Lisa?

- a A computer aimed at large businesses and costing close to \$10,000
- b The only computer to ship with the Twiggy floppy drive
- c The predecessor to the Macintosh
- d All of the above
- e The best idea Apple ever came up with!

30 What can't the iPod do?

- a Charge its battery via its FireWire cable
- b Play a game of Breakout
- c Work with a PC
- d Store 30GB of music
- e Piss off music-industry tight-asses



This is one versatile little device.

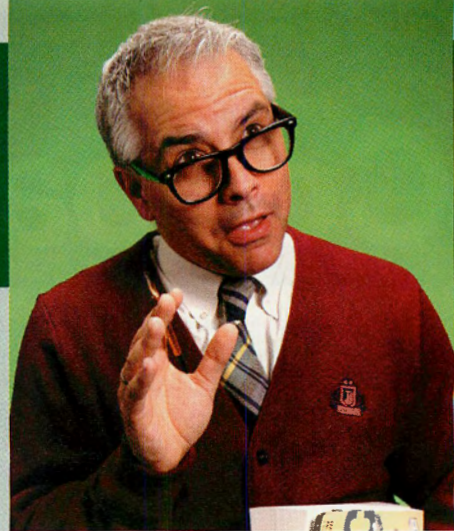
31 Which graphics processor comes in the flat-panel iMac?

- a ATI Radeon 7500
- b nVidia GeForce2 MX
- c nVidia GeForce4 MX
- d nVidia GeForce4 Ti
- e *NSYNC G-Phatt-e

SCORE 16 TO 30: YOU ARE A

Classic User

You don't consider yourself an expert, but you do know a thing or two about your beloved machine. You have at least one Mac T-shirt. You think you know all the colors the iMac shipped in—and you're probably right. Sure, you may not understand the difference between L2 and L3 cache, but you wouldn't mind learning. Your level of Mac addiction is respectable—but you could improve it by poking around your machine, perusing some online Mac sites, and, of course, reading more *MacAddict*.



32 What was the first Mac to include a SCSI port?

- a Color Classic
- b Classic II
- c Mac SE
- d Mac Plus
- e Mac Futz

33 What is the maximum amount of RAM you can have in the latest iMac?

- a 256MB
- b 512MB
- c 1GB
- d 1.5GB
- e I don't know. I had to use the money I would've spent on RAM to cover the \$100 price hike on the iMac. But I'm not bitter or anything.

34 Mac OS X is based on what flavor of Unix?

- a SunOS
- b Linux
- c Solaris
- d BSD
- e LSD

35 Which of the following was never a code name for a Mac?

- a Mr. T
- b Colt 45
- c Magnum PI
- d Weed-Whacker
- e Yikes

EXTRA CREDIT: Give yourself a point for each machine you can name that matches a code name. Name all four, and you can have one of our jobs.

36 What does this symbol represent?

- a USB
- b FireWire
- c AirPort
- d Ethernet
- e Hands Across America



37 What did Steve Jobs claim was the inspiration for the new flat-panel iMac?



So what inspired the creators of this little machine, anyway?

- a A lamp
- b A sunflower
- c A snowball
- d An igloo
- e A powdered-sugar donut hole. Mmm...donuts.

38 In Mac OS X, what is the key command for creating a new folder?

- a Shift-Command-N
- b Shift-N
- c Command-N
- d Shift-Option-N
- e Shift-Option-Command-Control-Caps Lock-~N

EXTRA CREDIT: In Mac OS X, what *should* this key command be?

- a Shift-Command-N
- b Shift-N
- c Command-N
- d Shift-Option-N
- e Shift-Option-Command-Control-Caps Lock-~N

39 Which of the following will help you edit HTML?

- a BB King
- b BBQ
- c BBEdit
- d Bebe Neuworth
- e Bebe Rebozo

40 Who has never appeared in an Apple "Think Different" ad?

- a Albert Einstein
- b Pablo Picasso
- c Muhammad Ali
- d Martha Stewart
- e Martha Graham

41 What's the largest number of color inks you can get in a Mac-compatible printer?

- a 3
- b 4
- c 6
- d 7
- e 6.02 by 10²³

42 In which of the following places has *MacAddict* editor in chief Rik Myslewski not worked?

- a *MacUser* magazine
- b *Macworld* magazine
- c *MacHome* magazine
- d A head shop
- e A gay bar



Believe it or not, this is editor in chief Rik Myslewski. Rik's worked in a lot of interesting places throughout his illustrious career. But where didn't he work? Now *that's* the question.

43 From what company did Apple steal (uh...we mean, get the inspiration for) the concept of the mouse?

- a Xerox
- b IBM
- c Hewlett-Packard
- d Intel
- e Russia

EXTRA CREDIT: Who invented the mouse?

- a Bill Gates
- b Bill Hewlett
- c Douglas Englebart
- d Engelbert Humperdinck
- e Al Gore

44 Command-Option-Escape is also known as:

- a The three-stage attack
- b The three-finger salute
- c The triple threat
- d The three-pronged fork
- e Getting to third base

45 Which of the following celebrities has never promoted an Apple product?

- a Barry White
- b George Clinton
- c Jeff Goldblum
- d Buzz Lightyear
- e Kermit the Frog

46 What is DDR?

- a A type of expansion slot
- b A type of cache
- c A type of RAM
- d A type of PowerBook battery
- e Isn't that a country in Europe?

47 What does ADB stand for?

- a Advanced Digital Bridge
- b Apple Digital Bus
- c Apple Desktop Bus
- d Analog Digital Buffer
- e Annual Dirigible Buyout

SCORE 31 TO 45: YOU ARE A

Colonel Panic

Not only do you know what Colonel Panic refers to, but as an early Mac OS X adopter you've faced a couple of them yourself—and you haven't panicked. You're not satisfied with just knowing what—you want to know how and why. You appreciate that Mac OS X is based on Unix. You understand the megahertz myth. And though you may not have spent much time in Terminal, you enjoyed it. You strive to be a Terminal Geek—and we have confidence that someday soon you'll get there.



48 Which of the following series of terms is in the correct order?

- a Mach, BSD, Quartz, Carbon, Aqua
- b Mach, Aqua, BSD, Quartz, Carbon
- c Carbon, BSD, Quartz, Mach, Aqua
- d BSD, Mach, Carbon, Quartz, Aqua
- e Lettuce, bread, mayo, meat, cheese

EXTRA CREDIT: If you feel the urge to argue the semantics of the above answers with us, give yourself an extra point. You are a true geek.

49 Where did Steve Jobs and Steve Wozniak work (respectively) before founding Apple?

- a Xerox and IBM
- b Atari and Hewlett-Packard
- c Hewlett-Packard and Intel
- d Intel and IBM
- e Sizzler and Ponderosa

50 What sort of hardware device does the Terminal window emulate?

- a A Freedom 50
- b An IBM 3270
- c A DEC VT-100
- d A Lear Siegler ADM-3A
- e A small chrome toaster

51 The North American NTSC video standard displays at what frame rate?

- a 24 fps
- b 24.97 fps
- c 29.97 fps
- d 32 fps
- e 6.02 by 10^{23} fps

52 What programming error shares its name with Apple's street address?

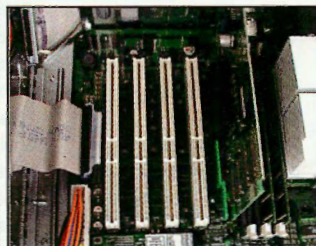
- a Infinite Loop
- b Null Route
- c Invalid Route
- d Illegal Address
- e Tagline Exhibits Poor Grammar

53 Which two of the following are not types of networks?

- a WAN
- b PAN
- c LAN
- d JAN
- e Marsha

54 What type of PCI slot does the Quicksilver Power Mac G4 have?

- a 32-bit, 33MHz
- b 32-bit, 66MHz
- c 64-bit, 33MHz
- d 64-bit, 66MHz
- e Extra long, four bagels wide



Knowing what kind of PCI slot is in the Quicksilver Power Mac G4 is the mark of a true geek.

55 Who played Steve Jobs in the TV movie *Pirates of Silicon Valley*?

- a Noah Wyle
- b Matthew Perry
- c Anthony Michael Hall
- d Jan-Michael Vincent
- e Ricky (oops, we mean Rick) Schroeder

56 What image format is known for its compression capabilities?

- a PICT
- b JPEG
- c TIFF
- d BMP
- e CHIIP

57 What does it mean to frag your opponents in a first-person shooter?

- a Trash-talk them
- b Sit around in one place waiting for them to show up
- c Steal their weapons
- d Kill them
- e Ask them why you can't just all be friends

CARBON-DATED QUIZ

If you know that on October 15, 1987, Scott "ZZ" Zimmerman first confirmed that the dogcow (from both Susan Kare's 1984 Cairo font and the pre-OS X Page Setup dialogs) was a cross between a dog and a cow, you:

- a Have been a Mac addict for a long, long time
- b Are obsessed with all things Mac
- c Are a master of mind-numbing minutiae
- d Have way too much time on your hands
- e All of the above

If you fit this profile, we have a special, extra little quiz for you, based on trivia only old fogies or fogy wanna-bes would know. Answer at least four of these questions correctly, and you can officially consider yourself Carbon-Dated.

1 What was the processor speed of the Macintosh 128K?

- a 4MHz
- b 8MHz
- c 10MHz
- d 12MHz
- e 128KHz

2 What was the nickname of the Macintosh 512K?

- a Big Mac
- b Fat Mac
- c Fatso
- d Big Boy
- e Meat Loaf

3 What was the first Mac with an 800K floppy drive?

- a Macintosh 512K
- b Macintosh 512Ke
- c Mac Plus
- d Mac SE
- e The iMac

4 What were the first Macs with ADB ports?

- a Macintosh 512K and Macintosh 512Ke
- b Mac Plus and Mac Minus
- c Mac SE and Mac II
- d Mac Ix and Mac SE/30
- e Mac Classic, Mac LC, and Mac IIsi

5 The 15.8-pound Mac Portable sold for:

- a \$2,495
- b \$3,495
- c \$4,750
- d \$6,500
- e Since no one bought one, no one knows.

6 Which two innovations were not part of System 3.0?

- a HFS
- b MiniFinder
- c Nested folders
- d Disk Cache
- e Sliced bread

SCORE 46 OR HIGHER: YOU ARE A

TerminalGeek

You're the real deal. You shouldn't be reading *MacAddict*, you should be writing it (but please keep reading). The first app you learned was ResEdit. You do all your word processing in BBEdit. You know which of Jean-Louis Gasse's earlobes had the diamond stud. Not only do you know that FireWire kicks USB 2.0's skinny little ass, you can prove it. You understand superscalar pipelining and vector parallel processing, and can reduce an Athlon XP devotee to tears. We love you.



58 What is a gigaflop?

- a** 100,000 floating-point operations per second
- b** 1 million floating-point operations per second
- c** 1 billion floating-point operations per second
- d** 1 trillion floating-point operations per second
- e** A term Apple's marketing department came up with

EXTRA CREDIT: Give yourself an extra point if you know that a floating-point operation is "a method of encoding real numbers within the limits of finite precision available on computers." Give yourself another point if you understand what that definition means.

59 What does it mean when an image is rasterized?

- a** New pixels have been added to it based on the color values of surrounding pixels
- b** It's been converted from a vector graphic or outline font into a bitmap
- c** Its resolution has been increased
- d** Its resolution has been decreased
- e** It's composed only of the colors green, yellow, red, and black

60 Which do you prefer?

- a** Genie
- b** Scale
- c** Suck
- d** Ginger
- e** Mary Ann

EXTRA CREDIT: Give yourself an extra point if you chose **c**. We know you're a dirty little hacker.

ANSWERKEY

1 d Liquid Crystal Display

2 c Apple's new rack-mount server

3 b Ridley Scott

EXTRA CREDIT: **a** Los Angeles Raiders

4 a Change the Trash icon

5 b Internet

6 d Cheryl England

7 c A technology for storing and generating differently detailed versions of one texture map

EXTRA CREDIT: **b** Multum in Parvo

8 b Phil Schiller

9 d Didn't allow you to save more than two pages in a document

10 a A short-range wireless technology

EXTRA CREDIT: **b** A Viking king who stained his teeth by eating blueberries

11 a Power Computing (Scoring note: Deduct 1 point if you chose **c**)

12 d Cherry

13 b Change the space between two individual letters

14 c 133MHz

15 c Yet Another Compiler Compiler

16 c Tim Berners-Lee

17 d Accelerated Graphics Port

EXTRA CREDIT: **c** Intel

18 d Fraunhofer

19 c Handwriting recognition

20 c eCat

21 b ed

22 d Atari and **e** the Royal Scottish Ovine Society

23 b RIP

24 a An apple

25 b Mac 128K

26 a An application environment for developing Mac OS X-only programs

27 a 1988 (By the way, this is a trick question. The original 1.4MB floppy was also called the SuperDrive)

28 b Ambrosia Software

EXTRA CREDIT: **a** Maelstrom

29 d All of the above

30 d Store 30GB of music

31 b nVidia GeForce2 MX

32 d Mac Plus

33 c 1GB

34 d BSD

35 c Magnum PI

EXTRA CREDIT: Mr T: Mac Plus, Colt 45: PowerBook 145, Weed-Whacker: Mac Ilfx, Yikes: Power Mac G4 (PCI)

36 b FireWire

37 b A sunflower

38 a Shift-Command-N

EXTRA CREDIT: **c** Command-N

39 c BBEdit

40 d Martha Stewart

41 d 7

42 c MacHome magazine

43 a Xerox

EXTRA CREDIT: **c** Douglas Englebart

44 b The three-finger salute

45 d Buzz Lightyear

46 c A type of RAM (Scoring note: If you chose **e**: You'll remember that the DDR (aka East Germany) became part of the Federal Republic of Germany in 1990 and no longer exists. (We're not just a Mac magazine—we care about the world.)

47 c Apple Desktop Bus

48 a Mach, BSD, Quartz, Carbon, Aqua

49 b Atari and Hewlett-Packard

50 c A DEC VT-100

51 c 29.97 fps

52 a Infinite Loop

53 d JAN and

e Marsha

54 c 64-bit, 33MHz

55 a Noah Wyle

56 b JPEG

57 d Kill them

58 c 1 billion floating-point operations per second

59 b It's been converted from a vector graphic or outline font into a bitmap

60 a, b, c, d, or e (Scoring note: This is a freebie—there is no wrong answer)

Carbon-Dated Quiz

- 1 b** 8MHz
- 2 b** Fat Mac
- 3 b** Macintosh 512Ke
- 4 c** Mac SE and Mac II
- 5 d** \$6,500
- 6 b** MiniFinder and
- e** Sliced bread

Scoring Info

There are a total of 60 questions, and you can earn up to 15 extra-credit points. For each question you answer correctly, give yourself one point and add up your score. Then tack on any extra credit you've earned for a possible total of 75 points. You will fall into one of four categories (see below). And just remember one thing: No matter where you fall on the scale, you are good enough and smart enough, and people like you (we hope).

0 to 15 Cocoa Puff • 16 to 30 Classic User
31 to 45 Colonel Panic • 46 or higher Terminal Geek

The *MacAddict* staff members are proud to pronounce themselves Terminal Geeks, although only editor in chief Rik Myslewski is Carbon-Dated. He thinks that's really cool. The rest of us feel too bad to tell him otherwise.



Get Smart

Granite
D.I.G.I.T.A.L

www.granitedigital.com

The FireWire Drive with a technician built in.

Ever wondered what's really going on inside that box? With the new line of **SMART Drives** from Granite Digital, you will never have to wonder again. This FireWire IEEE1394 enclosure includes a Microprocessor and LCD display that will tell you everything you ever wanted to know about your drive's condition. It's like having your own technician built into every case. The case also monitors drive performance for speed-intensive operations like DV and AV and it helps keep your data safe and secure.

So, if your looking for the safest place to store your data, and if you like the idea of knowing what's going on before you have a problem, then the **SMART Drive** from Granite is the drive for you.

Unlike other FireWire companies, Granite writes its own firmware and supports more drives than anyone else. Our easy to use upgrade and browser utilities keep us ahead of the competition while giving our customers the information that they need....spoil yourself and Get Smart.

Get Hot

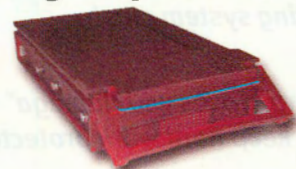
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IS IT TIME FOR

WHAT?
Leave the comforts
of QuarkXPress
and venture into
unknown territory?
IT CAN'T BE DONE!

Oh yes, it can.
WE SHOW YOU HOW.

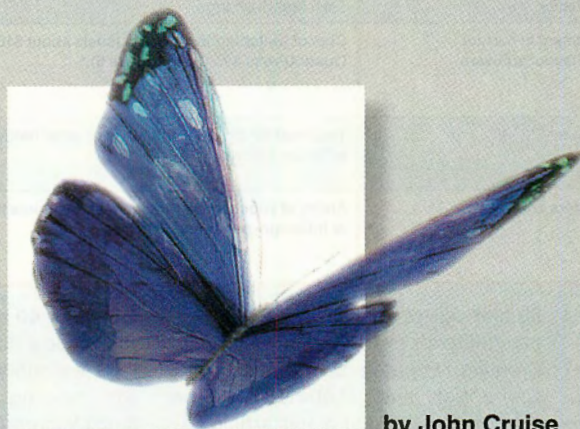
Does this scenario sound familiar?

You're a graphic designer or desktop publisher. You've made the switch to Mac OS X (or you desperately want to). You've been using QuarkXPress for years, but you're looking for better typographic features, and you're fed up with Quark's unreliable customer service. You've heard that InDesign 2.0 is amazing, but you're nervous about making a big change. QuarkXPress is so...*established*, and you're worried that switching to InDesign will upset your workflow, cause problems with your printers and other vendors, and generally bring unneeded angst into your life.

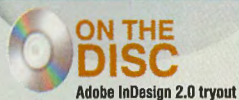
It's OK to be scared. But not forever.

Here, we help you determine whether making the switch from QuarkXPress to InDesign is right for you, show you how to prepare for the transition, provide a crash course in using some of InDesign's new features, and help you integrate the program into your workflow. We've talked with designers, production managers, and service-bureau professionals who have already made the switch, and they've helped us determine what the issues are and how to make the shift to InDesign as quick and smooth as possible. Remember: Change is good.

Art Director's Note: Putting together this feature was our first attempt at using InDesign to lay out MacAddict pages. It took approximately two days to build this feature—that's starting from scratch and having never touched the program before. When all was said and done, it took relatively little time to get used to working in InDesign, largely because of the program's similarities to Illustrator and Photoshop. (Please forgive the liberal use of transparency—we were just a bit giddy discovering new tricks.)



by John Cruise



IS InDESIGN RIGHT FOR YOU?

If you're undecided about ditching QuarkXPress and moving to InDesign, take our quiz below. We've compiled a list of the major factors you should consider, and based on how important you consider each factor, you can figure out whether it makes better sense for you to jump to InDesign or stick with Quark.

| Reason for Switching | What It Means | Point Value | Points |
|---|--|--|--------------|
| OS X compatibility | Runs under OS X, which offers protected memory, enhanced virtual memory, faster performance, and multitasking. | 0 to 5 (0=not important, 5=very important) | + |
| Integration with other Adobe applications | Plays nicely with Photoshop, Illustrator, and Acrobat. | 0 to 5 (0=not important, 5=very important) | + |
| Features you gain by going to InDesign: | | 0 to 20 (add 2 points for every feature you covet) | ↓ |
| 1. Transparency | Allows for object opacity, drop shadows, and feathered edges. | | + |
| 2. Paragraph-based text composition | Sets better-looking text by analyzing word breaks and spacing in an entire paragraph before hyphenating and justifying. | | + |
| 3. Optical margin alignment | Adjusts the placement of punctuation marks and characters to create better-aligned margins. | | + |
| 4. Optical kerning | Determines character spacing by analyzing adjoining letter shapes. | | + |
| 5. Multiple undos and redos | Allows you to undo mistakes again and again. | | + |
| 6. OpenType support | New OpenType font format offers cross-platform compatibility, more than 65,000 glyphs per font, and improved language support. | | + |
| 7. High-resolution display of imported graphics | Allows you to display both pixel-based and vector-based graphics at high resolution. | | + |
| 8. Multilanguage support | Checks spelling and correctly hyphenates text in 12 languages using 20 built-in dictionaries. Opens any other InDesign 2.0 file, regardless of the InDesign language version used to create the file (including Japanese). | | + |
| 9. Superior master-page features | Allows you to create a parent master page and then base variation master pages on the parent (if you change the parent master, the variations automatically change). | | + |
| 10. Superior table features | Imports formatted tables from Microsoft Word and Excel. | | + |
| Features you lose by switching to InDesign: | | 0 to -10 (subtract 2 points for each feature you'll miss by giving up QuarkXPress) | ↓ |
| 1. Custom line styles | Creates and applies custom dash and stripe line styles. | | - |
| 2. Multiple-ink colors | Mixes, for example, 50 percent shade of Pantone 3245 with 5 percent shade of black. | | - |
| 3. Merge and Shape options | Lets you create complex shapes by combining multiple items (Merge) and changing the shape of an item (Shape). | | - |
| 4. Customizable kerning and tracking tables | Allows you to modify a font's built-in kerning and tracking tables. | | - |
| 5. Third-party plug-ins | Abundant supply of QuarkXTensions adds tons of functionality. | | - |
| Customer service and upgrades | Your level of satisfaction with Adobe's or Quark's customer support and product upgrades (that is, the frequency, quality, and value of upgrades). | 0 to 5 (0=you think Quark is superior, 5=you think Adobe is superior) | + |
| Pioneer factor | Your desire to be on the cutting edge. | 0 to 5 (0=no desire, 5=huge desire) | + |
| Guts factor | Total fear of change. | 0 to 5 (0=great fear, 5=no fear) | + |
| Investment in current page-layout software | Cost of switching to InDesign (costs about \$100 more than upgrading from QuarkXPress 4 to QuarkXPress 5).* | 0 to 5 (0=you don't need or care for InDesign's feature set or you've already upgraded to Quark 5, 5=you want InDesign's extra features and you can afford it) | + |
| Hardware | You need to upgrade your Macs or other hardware to take full advantage of InDesign's power. | 0 to 10 (0=you need to update your hardware and you're broke; 10=you've got powerful enough hardware, or money is no object) | + |
| Providers and vendors | Ability of your service providers and vendors to handle InDesign documents or InDesign-generated PDF files. | 0 to 10 (0=your vendors can't handle InDesign files and you have no alternatives, 10=your vendors can handle InDesign files or you're willing to switch to one that can) | + |
| | | | TOTAL |

A note about scoring:

Assign yourself an appropriate point value for each criterion and then add up your total score. Most criteria have a value between 0 and 5 points (0 through 10 for more significant factors). Give yourself an appropriate value for each factor, and feel free to use intermediate point values if you sit somewhere in the middle. The highest possible score is 70 points.

SCORING RESULTS

55 and up: You're a perfect candidate for moving to InDesign. Create an implementation plan, buy your copies, and get started. (And be sure to read the rest of this article.)

Between 40 and 54: You're a maybe. Purchase a copy or two of InDesign, let a few curious graphic artists tinker with the program, use it for a few small test projects, and then decide.

39 and below: You're probably better off sticking with your current page-layout program for the time being.

* Owners of QuarkXPress 3.0 or later who buy the full version of InDesign 2.0 for at least the full estimated street price (approximately \$675 to \$700) are eligible to receive a \$300 rebate, 90 days of free technical support, and free training. Corporate license discounts are also available. For more information, visit www.adobe.com/products/indesign/crossgrade.html.

TO SWITCH OR NOT TO SWITCH

The decision to switch to InDesign requires that you consider many factors. First, of course, is whether the program—and taking the time to transition to it—makes sense for you or your company. (For guidance, see our quiz, “Is InDesign Right for You?”, p36).

Next there are timing and financial considerations. Also important is determining whom the switch will affect and how. Obviously, QuarkXPress users will need to learn InDesign, but other employees might have to adapt as well. For instance, Photoshop and Illustrator users must get used to *not* saving multiple versions of graphics files (unlike QuarkXPress, InDesign can import native files from these programs), which in turn saves disk space and reduces file tracking.

One company that has already battled the question of whether to switch is Fossil, a company based in Richardson, Texas,

that sells watches, eyewear, and apparel. Fossil used to employ QuarkXPress 4 to create a wide range of print material, including catalogs, packaging, and brochures. But recently the company decided to transition its approximately 100 QuarkXPress users to InDesign. “We haven’t missed a beat,” says Tim Hale, senior vice president at Fossil. “The whole thing has been very, very smooth.”

So why did Fossil switch? Like any successful company, it had both practical and financial reasons. Fossil’s designers were already familiar with other Adobe graphics applications, and Hale believed that not only would they learn InDesign quickly, but they would also be more productive in the long run because of the interface similarities. Hale also decided that InDesign was a better dollar value than QuarkXPress by virtue of its superior feature set, plus Adobe’s corporate licensing program enticed him. The final straw was Quark’s indifference to Fossil’s departure. “It was disappointing,” says Hale. “We’d been a Quark customer for a long time, but it didn’t matter. They didn’t care.” ▶



Fossil used InDesign to create this ad for a DKNY (that’s Donna Karan New York, to all of you hipsters) catalog.

The Ins and Outs of InDesign

Once you have a transition plan in place, you actually have to learn how to use the program. There’s no doubt that QuarkXPress users will feel a little awkward at first—it’s a bit like cooking a meal in somebody else’s kitchen. Fortunately, the InDesign learning curve isn’t too difficult for experienced QuarkXPress users (and it’s even easier for those who also use Photoshop or Illustrator).

Training for QuarkXPress users who are new to InDesign should focus on three main categories: terminology differences, interface differences, and InDesign-only features.

Terminology differences Many of the terms in InDesign’s menus, dialogs, and palettes are identical to QuarkXPress terms. For example, both InDesign and QuarkXPress let you create *documents*, *libraries*, and *books*. And they both let you modify the appearance of text by applying *tracking*, *Kerning*, and *baseline shift*.

But in some cases, InDesign and QuarkXPress use different terms for the same feature. For example, in QuarkXPress you create *picture boxes* and *text boxes*, while in InDesign you create *graphics frames* and *text frames*. In QuarkXPress, you *create and modify items*, but in InDesign you *create and transform objects*.

Here’s a list of some other terminology differences:

| QuarkXPress | InDesign |
|------------------|----------------|
| Item tool | Selection tool |
| Item | Object |
| Frame | Stroke |
| Background color | Fill |
| Picture | Graphic |
| Color | Swatch |
| Shade | Tint |
| Blend | Gradient |
| Skew | Shear |
| Anchored item | Inline frame |
| Runaround | Text wrap |
| XTensions | Plug-ins |

Interface differences We’ve already mentioned that InDesign has an abundance of palettes. That’s the biggest difference between the QuarkXPress and InDesign user interfaces, but there are several others, including the following:

Selecting objects, pictures, and text

In QuarkXPress, you use the Item tool to select objects and the Content tool to select both graphics and text. In InDesign you use the Selection tool to select objects, the Direct Selection tool to select graphics, and the Type tool to select text. You can

also use the Type tool to click and drag new text frames.

Get Picture/Get Text command versus Place command Before you can import text or a picture into a QuarkXPress document, you must first create or select a text or picture box. InDesign is less rigid. Using the Place command (in the File menu), you can position an imported file in a selected or unselected frame, or you can click and drag to create a new frame.

Tools palette versus Toolbox

InDesign’s Toolbox gives you access to more tools than QuarkXPress’s Tools palette does. In addition to a set of drawing tools for creating rectangles, ovals, polygons, and lines, the Toolbox has Stroke and Fill boxes that let you apply color to new and existing objects; an Eyedropper for copying text, picture, and object attributes and applying them elsewhere in a document; a set of transformation tools for shearing, scaling, rotating, and free-transforming objects; and Normal View Mode and Preview Mode buttons for switching between normal display and print preview.



The InDesign Toolbox.

THE FIRST STEPS

If you decide to make the switch to InDesign, you need to decide how and when to integrate it into your workflow. Make sure you identify and communicate with affected employees and providers before, during, and after the switch. Try to anticipate problems and have a contingency plan before you begin using InDesign for deadline-critical work. **Here's a more detailed look at how to prepare for the transition.**

Develop a plan. You need to make a transition plan that at the very least provides a set of milestones, including training, implementation, and follow-up. The duration of the transition will depend on several factors, such as the number of users who require training, how much time they have to spend on training, and how urgently you need to complete the transition.

Fossil began with two phases of training: First, it hired American Graphics Institute (www.graphicsinstitute.com), an Adobe- and Quark-certified training

center, to provide general InDesign training onsite to a group of ten core users. During phase two, Fossil had AGI train another 30 employees. Fossil then began to go live with the new software on a project-by-project basis. "By the end of a week [of training]," says Hale, "[the designers] were creating documents and ready for production. Now, we're training each other. When new InDesign users have questions, the senior InDesign users help them."

Determine your hardware and software requirements. If you did your homework before choosing InDesign, you know that it has relatively steep requirements, including a PowerPC G3 or G4 processor, a minimum of 128MB of RAM with virtual memory on, 220MB of hard disk space, and a 1,024 by 768 monitor. Remember, these are the *minimum* requirements. If possible, provide your InDesign users with G4 Macs—the faster, the better.

If your budget allows, think about upgrading monitors. It's always a good idea to provide designers with lots o' screen real estate (19 to 21 inches). But a large (or second) monitor is a particularly valuable for InDesign users. That's because the InDesign interface includes lots of palettes.

Lots and lots of palettes. Lots and lots and...well, you get the idea. (Fortunately, InDesign has palette-management features to minimize the amount of screen space the palettes take up.)

As for system software, InDesign runs in both Mac OS 9 and X (as opposed to another layout app that shall remain nameless). If you're not already running Mac OS X, system software (and the extra RAM you need to run it) might be another expense you need to bear in mind.

Contact your vendors and run test files. In addition to determining the impact switching to InDesign will have within your organization, you must also prepare for how the change will affect service bureaus, printers, clients, and other vendors. "The key thing is doing your homework with your vendors," says Hale. "Adobe was very helpful. They went to our vendor base and helped get them up to speed with InDesign. We got everybody on board and had all of our bases covered before coming online."

Wahid Bastoros is the technical director at Micropage Printing and Press, a print service provider in New York City. Micropage was one of the first providers in the New York area to beta-test InDesign

InDesign-only features

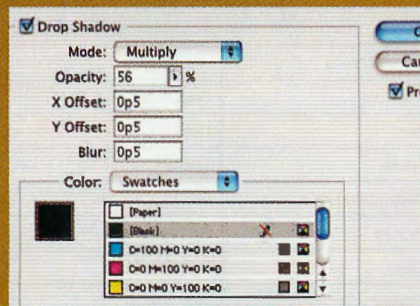
Perhaps the most compelling reason to switch is that InDesign offers a number of killer design features that Quark doesn't have at all (although Quark certainly has its share of exclusive features, such as its Merge and Split options and the ability to create multiple-ink colors). Here are some of the features you'll want to check out in InDesign:

Transparency InDesign has a trio of transparency-related features:

- The Transparency palette (Window > Transparency) lets you specify opacity



In the first example (top), we set the opacity to 100 percent and applied Normal blending. In the second example (bottom), we gave each circle an opacity value of 50 percent and set the text opacity to 80 percent. We applied the Multiply blending mode to all objects to darken the overlapping areas.



InDesign's Drop Shadow dialog lets you control the opacity, position, blur, and color of a drop shadow.

from 100 percent (totally opaque) to 0 percent (totally transparent) for any object, including text and imported pictures. You can also control the appearance of overlapping transparent objects by choosing from 16 blending modes.

- The Feather command (Object > Feather) lets you soften the edge of text frames and picture frames.

- The Drop Shadow command (Object > Drop Shadow) lets you create soft- or hard-edged drop shadows for text and pictures.

Paragraph-based text composition

By default, InDesign examines all lines in a paragraph before applying hyphenation and justification to produce the best



The Feather dialog lets you specify the distance from the edge of the frame where the contents will start to fade to transparent.

possible overall spacing. Quark, on the other hand, applies hyphenation and justification one line at a time. That means if you have a poorly spaced line, Quark can't adjust preceding lines to improve that one (InDesign also offers single-line hyphenation and justification as an option).

In general, InDesign produces more consistent—and slightly tighter—overall spacing, which in turn produces a more even overall text grayness. Some designers have even found that InDesign documents end up shorter than Quark documents because of the way the former program spaces text—great for verbose writers (or maybe not).

2.0, and it accepts both native InDesign files and InDesign-generated PDF files. "Usually when we get jobs," says Bastoros, "we have to deal with Photoshop and Illustrator. InDesign makes things easier. It's easy to switch back and forth between the applications, which is a huge timesaver. And for us, time is money."

The key to working with your vendors is communication. Call each vendor and ask if it supports InDesign. If so, ask if InDesign files require any special preparation. If a vendor doesn't support native InDesign files, perhaps it can handle InDesign documents saved as PDF files. For information about the Adobe Solutions Network Service Provider program, visit <http://partners.adobe.com/asn/partnerfinder/index.jsp>.

After you've chatted with your vendors, run some test files. One way to create these files is to locally open, save, and print a few of your old QuarkXPress documents (InDesign will open QuarkXPress 3.3 through 4.11 documents). Not only will you see how InDesign converts QuarkXPress documents, but you'll also get an idea of how well they print. Another approach is to start from scratch and create a very

Beware

Wahid Bastoros, technical director at printing service provider Micropage Printing and Press, says that while PostScript Level 3 RIPs provide the best speed and output quality, particularly for InDesign documents that include complex transparency and gradients, most service providers are still using PostScript Level 2 RIPs. If you use InDesign's transparency features in documents intended for high-resolution output, be sure to discuss your plans with your service provider.

complicated InDesign document. Toss in every feature you think might cause a printing problem—process colors, spot colors, graphics in a variety of formats, PDF and EPS graphics with both embedded and missing fonts, large text, small text, rotated text, text on a path, text with drop shadows...you get the picture. If your vendors can handle absurdly complicated InDesign documents, they can likely handle your typical documents.

Communicate with a vengeance.

Communication—both internal and external—is the key to any successful collaborative project. 'Nuff said.

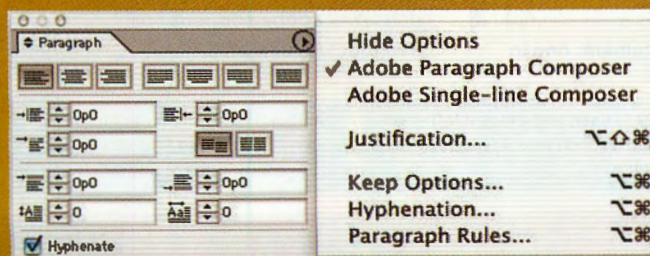
THE BIG PICTURE

After you've finished training your staff (or yourself), it's time to start using InDesign to lay out actual publications. But what's the best way to do that?

Miguel Angel Armendáriz is associate technology consultant for Danilo Black, a print and Web design firm. Danilo Black's migration to InDesign began in 1999, soon after Adobe released the first version of the program. "We had a chance to create a new magazine," says Armendáriz, "and we had two choices for this new project: We could use QuarkXPress or InDesign, which was new and not proven. Some of our designers wanted to try InDesign, even though they were experts with QuarkXPress. They loved InDesign's typography and the full-resolution display of EPS images."

After the new magazine was up and running, Danilo Black began to convert the rest of the 47 magazines it publishes to InDesign. "We wanted to get it right one magazine at a time," says Armendáriz. "It's gone very smoothly."

Making the transition on a publication-



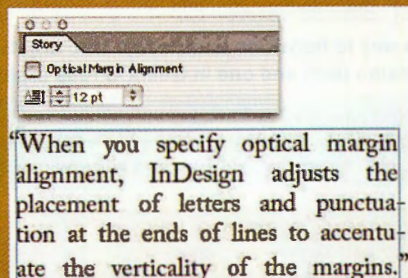
When you select a text frame in InDesign, you can choose to hyphenate and justify its text using the Adobe Paragraph Composer (the default method) or the Adobe Single-Line Composer.

Multiple undos and redos Have you ever wanted to return to an earlier version of a QuarkXPress document, but not all the way back to the most recently saved version? (Never mind, we know the answer to that question.) It's not a problem with InDesign. By repeatedly choosing Edit > Undo, you can step your way back through multiple actions. The same goes for Redo.

Optical kerning By default, InDesign uses a font's built-in kerning information to

determine the space between character pairs. But by applying InDesign's optical kerning, you can adjust the space between character pairs based on their relative shapes, producing slightly tighter, more consistently spaced text. To do so, select the paragraph you want to change, and then choose Optical from the kerning pop-up menu on the Character palette (access the palette by going to Type > Character).

Optical margin alignment If you want the margins of justified text to look more aligned vertically, use InDesign's optical margin alignment feature. To apply optical margin alignment to a text frame, select the frame, choose



Notice how InDesign's optical margin alignment forces the quotation marks and hyphens outside the frame edge, making the margins look more vertically straight.

Type > Story, and check the Optical Margin Alignment box. If you select a text frame in a chain of linked frames, InDesign applies optical margin alignment to all of them.

OpenType fonts OpenType fonts offer several benefits for designers, including cross-platform compatibility, more than 65,000 glyphs, or symbols, per font, and improved language support. InDesign's Glyphs palette (Type > Insert Glyphs) makes it easy to insert glyphs defined in OpenType fonts. You can also use the Glyphs palette to view and insert OpenType characters such as ornaments, swashes, fractions, and ligatures. In addition to supporting OpenType fonts, InDesign includes three

Optical kerning vs. default kerning

In the example above, the top line uses the Optima font's built-in kerning values; the bottom line uses InDesign's optical kerning. Notice the tighter kerning between some of the letters (for instance, the *j* and the *c* in *Optical*) and the overall tightness and consistent spacing of the optically kerned text.

by-publication basis is one way to do it. Another option is to use QuarkXPress to create the main version while creating an identical-looking counterpart in InDesign. This enables QuarkXPress users to map their page-design, typography, and document-construction skills to InDesign and provides an opportunity to test the whole process, including the final output. The upside of this approach is that you have a safety net. The downside, of course, is the extra work it involves.

The key is to start small and proceed slowly. For example, in an ad agency, start by creating a single piece with InDesign or using it for a single client. In phase two, use

it for all new clients. Then in phase three, use it for previous clients. Once everything is running smoothly, you can continue gradually phasing in InDesign and phasing out QuarkXPress, or—if circumstances permit—you can switch whole hog.

So now what do you do with all of your old copies of QuarkXPress? You can use the boxes as doorstops, or you can toss 'em in the closet with your old copies of WordPerfect and Lotus 123—but don't throw them all away. You may have clients or suppliers who won't accept a non-Quark format, and you never know when you might need to open a legacy QuarkXPress document in its native application.

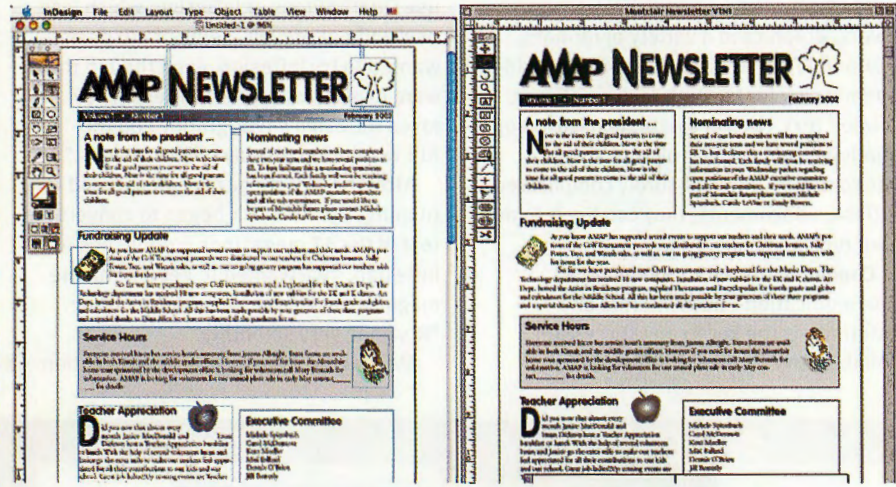
InDesign Training Resources

The kind of InDesign training you choose depends on many factors, including your budget, time constraints, and personal preferences. Here are some options:

Manuals The Help file (PDF) and HTML documentation included with InDesign 2.0 will help you learn the program, but the best source of information is a PDF from Adobe, "Switching to Adobe InDesign from QuarkXPress," which should be available by the time you read this at www.adobe.com.

Training To search for Adobe-certified InDesign training providers in your area, go to http://partners.adobe.com/asn/partnerfinder/search_training.jsp. For instance, the American Graphics Institute offers InDesign Level 1 and Level 2 classes in several U.S. cities (www.agitraining.com). If your budget allows, opt for onsite training—preferably customized for you.

Online tutorials You'll find several tutorials on InDesign 2.0 features at www.adobe.com/products/tips/index.html. For detailed information on how InDesign handles the conversion of QuarkXPress 3.x and 4.x documents, visit www.adobe.com/support/techdocs/1cd7a.htm.

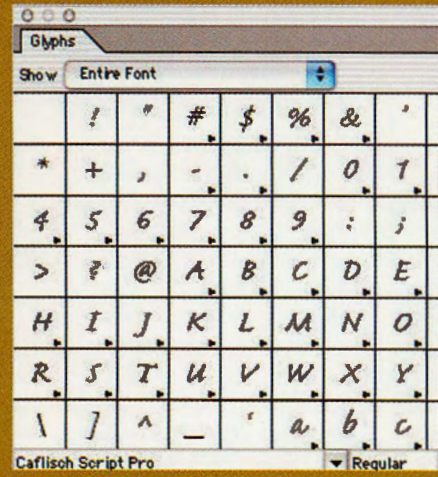


One way to transition to InDesign is to create two versions of a single document: one in InDesign (left) and one in QuarkXPress (right).

John Cruise is a Denver-based writer and publishing consultant, a longtime QuarkXPress user, and a recent InDesign convert. He is a coauthor of *Adobe InDesign Bible*, *Macworld QuarkXPress 4 Bible*, and *QuarkXPress 4 for Dummies* (John Wiley & Sons; 1999, 1997, and 1998, respectively).

Author's note: Thanks to Chel Dong, Larry Gilbert, and Scott Olswold for contributing to this article.

OpenType fonts: Adobe Garamond Pro, Adobe Caslon Pro, and Caffish Script Pro.

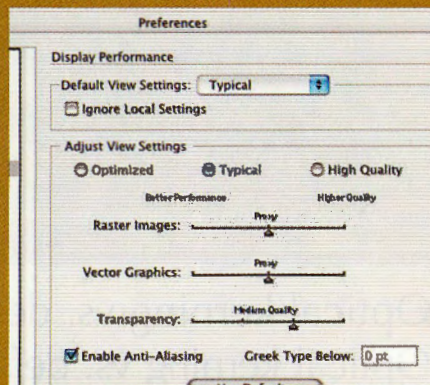


The Glyphs palette displays the characters, or glyphs, available in OpenType fonts—in this case, Caffish Script Pro—and lets you insert them into text.

High-resolution display of imported graphics In QuarkXPress, imported pictures display as low-resolution previews (36- or 72-dpi). InDesign lets you display imported pictures at low or high resolution. Even at magnifications of up to 4,000 percent, high-resolution pictures remain crisp and color-accurate. The Display Performance Preferences dialog (open Preferences and select Display Performance) lets you customize the three display options: Optimized, Typical, and High Quality. (Typical, which displays low-res previews, is the default).

You can make your choice global by checking the Ignore Local Settings box and choosing Optimized, Typical, or High Quality from the Default View Settings menu. If you don't check Ignore Local Settings, you can apply a display performance setting for individual objects via the Display Performance command in

the Object menu. For example, you can display one EPS image at High Quality if you need to see details of that image.



InDesign's Display Performance preferences let you customize global display-quality settings for raster (that is, TIFF and JPEG) graphics, vector (EPS) graphics, and transparency (drop shadows and opacity).

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PLUS:

TheHotList

- 57 The best of the best from recent reviews.

Not that we'd ever accuse a product of using performance-enhancing drugs, but when we first laid our eyes on Apple's eMac, we thought, "It's an old iMac on steroids!" With its G4 processor and a 17-inch screen, the eMac answers the two most common complaints about the G3 iMacs. First released exclusively for the education market, the eMac is now available to everyone.

Other good news this month: Dreamweaver MX was worth the wait and Roxio's Toast is even better with Jam. To our chagrin, however, the Soundbug speaker sounds as small and chirpy as its name. Tune in next month for the dirt on more iPod accessories, Clive Barker's Undying game, and the first photo printer ever to come with seven ink colors.

MacAddict RATINGS



AWESOME

You'll be blown away.



GREAT

You'll be impressed.



SOLID

You'll be satisfied.



SO-SO

You'll be disappointed.



LOUSY

You'll be pissed off.

9 Compatible with Mac OS 9.x or earlier.

X Compatible with Mac OS X or later.



If we were shopping for this type of product, this is the one we'd buy.

eMac

HARDWARE

We wish we had a nickel for every time someone asked us when Apple was going to make a 17-inch iMac. We'd have enough for a gaggle of eMacs, which go for a low 21,980 nickels each. If you haven't been paying attention, the eMac is that fabled 17-inch iMac, with a G4 processor to boot; if not for the unbelievably cool flat-panel iMac G4 (*Reviews*, May/02, p46) released this year, we'd be crowing even louder over the eMac.

The eMac is that fabled 17-inch iMac, with a G4 processor to boot.

So, besides 2 extra inches of screen (flat screen, by the way), what do you get for your \$1,099? Starting on the outside, you get 17 diagonal inches of crisp, flat CRT display with a top resolution of 1,280 by 960; below that, feast your ears on a pair of built-in stereo speakers (optional protective grills included), which sound good for onboard speakers, but would of course benefit from an optional iSub; and between the speakers, there's a tray-loading 24X10X32 CD-RW drive. Over on the right side and back about 5 inches you'll find the ports: standard 1/8-inch stereo in and out, three USB, two FireWire, 56-Kbps modem, 10/100 Base-T Ethernet, and Apple's wacky little video-out port (VGA adapter not included) for mirroring the screen to an external display—not the double-your-desktop monitor spanning we prefer, but better than a stick in the eye. Finally, behind that bank of ports you'll discover the elusive power button. Given the lack of keyboard



PHOTOGRAPHY BY MARK MADEO

Finally, it's the 17-inch, G4-powered iMac we've all been waiting for (just humor us and pretend you've never seen the LCD G4 iMacs).

power buttons these days, turning on the beast is hardly intuitive at first, but we figured it out quickly enough.

Besides a two-to-one weight differential, the 50-pound eMac is on spec with the low-end G4 iMac: Backing up the 700MHz G4 is a 256KB on-chip Level 2 cache, 32MB of video RAM by way of the nVidia GeForce2 MX chip set (supporting AGP 2X) and a disappointing 128MB of SDRAM, which you can upgrade to a full gigabyte—but given the limited slots (two), you'd need to replace the stock 128MB chip with a 512MB one. Don't let the RAM's PC133 designation fool you—the eMac's system bus

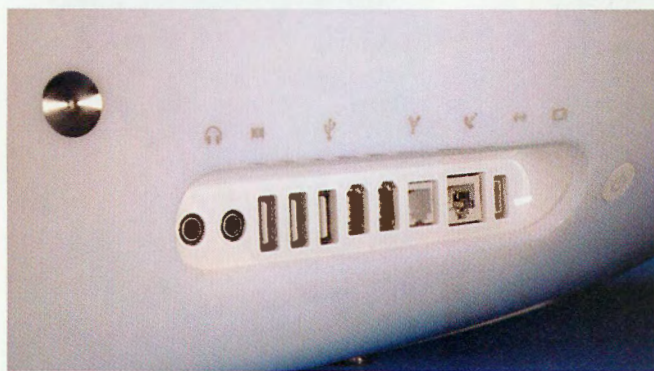
is the weakest link, as it shuttles data between all these internal components at an unimpressive 100MHz.

In terms of raw power, a 700MHz G4

isn't going to win any Photoshop shootouts, but this machine isn't made for professional Photoshop jocks. It's more than enough for Web surfing, AppleWorks production (version 6 included), iTunes jamming (it can rip a full-length audio CD in 5 minutes), and multimedia creation via the other included iApps: iMovie and iPhoto. These of course run better on a beefier system, but are plenty snappy on the eMac.

Aesthetically, the eMac comes in your choice of colors, so long as you choose white. The new standard white-on-white Apple Pro keyboard and mouse fit right in, at least until you muck them up with your grubby mitts. With its bulbous shape, the eMac clearly descends from the noble iMac, but the 17-inch CRT screen (and the innards behind it) give the whole package that looking-in-a-funhouse-mirror effect.

Given our unnatural lust for the LCD iMac (not to mention our irresponsible, credit-fueled shopping habits), the eMac doesn't win the coveted *Editors' Choice* designation, but if you're more mindful of your needs and budget, the eMac is a great choice.—Niko Coucouvanis



The eMac's left flank: Note the audio-in jack (second from left) and the cleverly hidden power button (far right).

COMPANY: Apple
CONTACT: 800-795-1000 or 408-996-1010, www.apple.com
PRICE: \$1,099 (SRP)

SPECIFICATIONS: 700MHz PowerPC G4 processor with 256K on-chip L2 cache, 128MB of RAM, 40GB Ultra ATA/66 hard disk, nVidia GeForce2 MX graphics processor with 32MB of DDR RAM, 24X10X32 CD-RW

GOOD NEWS: It's a 17-inch G4 iMac! Good price. Jaguar-ready graphics.
BAD NEWS: Only 128MB of stock RAM. Slow 100MHz system bus

MacAddict RATED
●●●●●
SOLID

Norton SystemWorks 2.0

UTILITIES

A disk-repair utility is like a membership to the AAA auto club: You can live day-to-day without it, but when you're caught in a bind, you feel really stupid for not having the proper protection. Norton SystemWorks 2.0 is a suite of handy applications that includes both Norton Utilities 7.0 for disk repair and Norton AntiVirus 8.0 for viral protection, along with other maintenance tools such as Dantz's Retrospect Express Backup for backing up files; Aladdin's Spring Cleaning for trimming hard drive clutter; and Alsoft's DiskWarrior Recovery Edition, which helps you salvage files from a damaged disk.

The main difference between SystemWorks 2.0 and the previous version is that most of 2.0's applications now run natively in Mac OS X. In fact, if you're running Mac OS 9, you can stick with SystemWorks 1.0 (see *Reviews*, Feb/01, p55), as nothing substantial has changed for OS 9 users.

The star of the SystemWorks show is Norton Utilities 7.0, which features all of the familiar tools Norton users know and love: Disk Doctor scans your disk for problems and

SystemWorks 2.0 dresses up the old reliable Norton Utilities in a swanky Aqua interface...

corrects them if it can; UnErase rescues recently erased files; FileSaver automatically takes "snapshots" of your disk directories, which can help in recovery should disaster strike; Volume Recover rebuilds corrupted or missing directories; and finally, Speed Disk defragments files on your hard disk, often reclaiming a lot of otherwise wasted space and creating a more responsive drive.

These tools run well overall in Mac OS X, but they have a few glitches. For starters, when you're diagnosing your Mac OS X system disk, Norton sometimes reports "major problems" when there aren't any (Symantec recommends that you scan your disk twice to double-check such reports). Also, fixing serious problems or running Speed Disk still requires you to boot from Norton's CD, which only boots Mac OS 9 (this CD can still fix your OS X disk just fine, but going back to OS 9 even for a moment makes us feel a little dirty). Finally, it's too bad Norton hasn't thrown in some Mac OS X-specific enhancements, such as UFS (Unix file system) support or the ability to do prebinding and other small optimizations. An OS X-bootable CD would also be nice.

With Norton Utilities selling separately for \$99, does it make sense to spend another \$30 for all the other software thrown into SystemWorks? Those extras look good on paper, but before you buy, make sure you'll actually use them. Programs such as Spring Cleaning (a glorified uninstaller; see our review on p54) and Dantz's Retrospect Express (the premiere backup utility; see *Reviews*, Aug/02, p50) may not be for

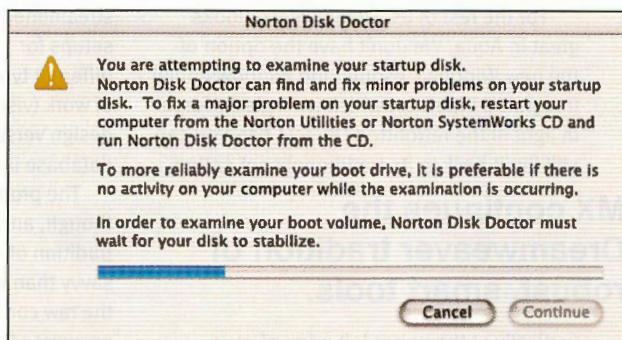
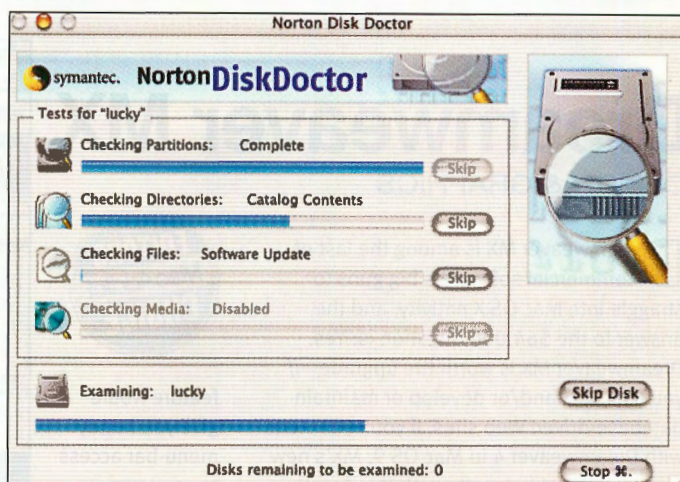
everyone. But DiskWarrior Recovery Edition is extra insurance—it does a great job of recovering files from a damaged disk.

Also included in SystemWorks is Norton AntiVirus, which scans your existing files, incoming downloads, and email attachments for the latest viruses—and in many cases eradicates them. Many Mac users have gone unprotected for years without catching any of

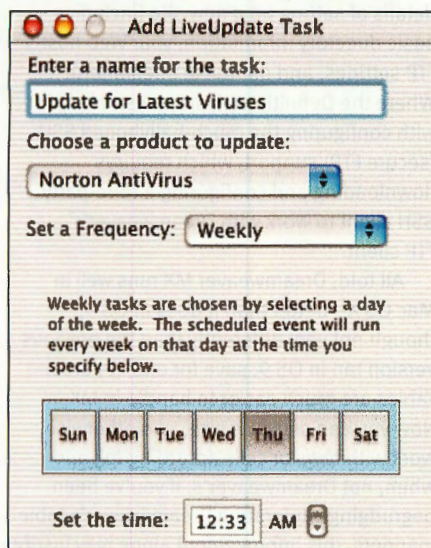
Norton Utilities 7.0 features all of the familiar tools Norton users know and love.

those nasty buggers, but it's important to remember that unlike previous Mac OSs, OS X is based on Unix, an operating system for which hackers have been writing viruses for years.

For our insurance dollar, SystemWorks 2.0 isn't a compelling upgrade. Get it if you're unprotected; if you have current versions of Norton Utilities and AntiVirus, consider buying DiskWarrior (\$77.90, www.alfsoft.com) and wait for a fully OS X-native update from Symantec.—*Helmut Kobler*



...just don't forget to read the fine print.



With Norton AntiVirus and LiveUpdate, you're as safe as safe can be.

COMPANY: Symantec Corporation
CONTACT: 800-721-3934,
www.symantec.com
PRICE: \$129.95 (SRP)

REQUIREMENTS: Power Mac, Mac OS
 8 or later, 24MB of RAM (128MB for OS X),
 CD or other optical drive

GOOD NEWS: Brings many major disk-repair and maintenance tools to OS X. Includes many useful utilities.
BAD NEWS: No OS X-specific features. CD doesn't boot OS X.

MacAddict RATED
 ●●●●●
SOLID

Dreamweaver MX

DESIGN & GRAPHICS

Dreamweaver MX is among the last of commercial software's big guns to straggle into Mac OS X nativity, and the answer to the \$64,000 question is: Yes, Dreamweaver MX is worth the upgrade—if you use OS X and/or develop or maintain database-driven Web sites. If you're content with Dreamweaver 4 in Mac OS 9, MX's new features probably aren't worth the ducats.

For the rest of us, Dreamweaver looks great in Aqua. We don't have the option of the new Windows-esque (and Windows-only) Integrated interface, which we'll gladly forgo in light of the retrofitted Objects bar; you can still flip it back to its traditional spot sitting

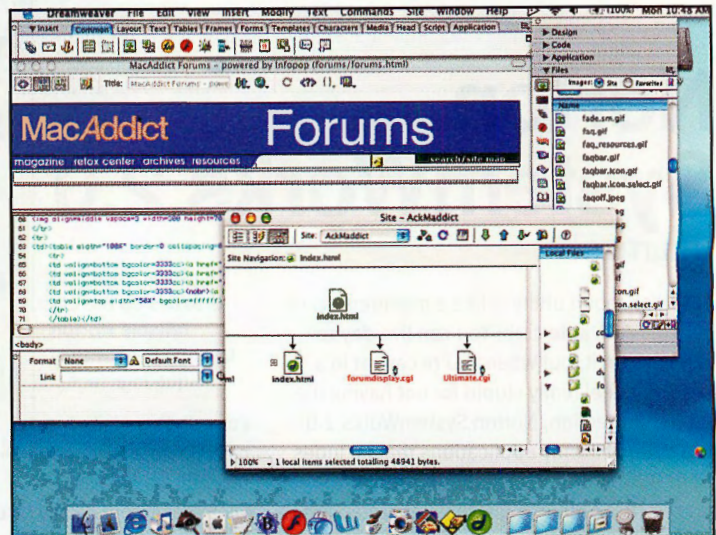


feature would give you handy menu-bar access to your own streamlined setups for different types of work (visual design versus database integration, for example).

The proof lies in how the tools work, though, and MX continues the Dreamweaver tradition of robust, smart tools. MX is more savvy than ever when you need to dig into the raw code. HomeSite (the Wintel world's answer to BBEdit) is now built into Dreamweaver, or at least its coding tools are—bringing features such as Code Hints to help you write code; Tag Editors for modifying tags; a Snippets window where you can store frequently used bits of code; and the all-important Validator, which lets you specify which specs to use in validating your code. And the choices are vast: HTML (versions 2.0, 3.2, or 4.0), three flavors of XHTML, SMIL, WML, JSP, specific Web browsers, and all versions of ColdFusion.

Naturally, Dreamweaver is geared to play well with ColdFusion (Macromedia's server solution), which is part of the Studio MX kit (see "Fire Sale," right) and runs on Windows and some Unix and Linux platforms but not on Macs. If your server is Mac OS X, Dreamweaver has also learned PHP (along with ASP, JSP, and NET). And for all these alien Web technologies, as well as HTML, XML, XHTML, JavaScript, and Cascading Style Sheets, Dreamweaver ships with precoded components, usable samples, and code libraries, as well as onboard reference manuals for most of them.

Macromedia smartly added a Site Definition wizard to walk you through the



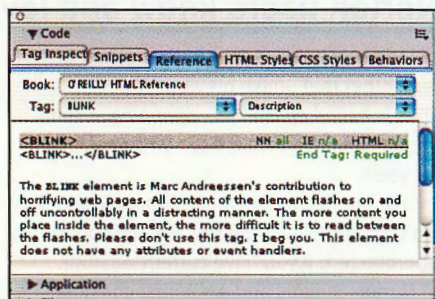
Show me the code! Dreamweaver lets you keep tabs on your visual design, source code, and site files—ideally on a big monitor or two.

MX continues the Dreamweaver tradition of robust, smart tools.

vertically at the upper-left edge of your screen, but if you leave it in the new default position (horizontal at the upper left), you'll enjoy a tabbed interface that provides access to all 12 groups of Objects (Common, Layout, Characters, Script, and so on). Another new interface perk is the stackable, groupable Panels, which hold Dreamweaver's multitudinous tool windows. What's missing is a save option for your custom



arrangements, which other apps (such as Dreamweaver's nemesis, Adobe GoLive) employ. The addition of this



Code Reference is one of many handy tools nested in this customized Panel.

Fire Sale

Dreamweaver is the last of Macromedia's core products to make it to Mac OS X, and now that it's here, the company is offering the whole MX family as Studio MX, rolling Dreamweaver, FireWorks, Flash, ColdFusion, and Freehand 10 into one bundle for Web design, graphics, animation, and vector art. At \$799, it's about half what you'd pay for each title separately. Unbridled generosity or last-ditch fire sale? Who cares!

details of setting up a new site (including basic directory information, your Web host's FTP settings, and database integration). Where the Definition wizard doesn't help is with configuring the much-ballyhooed SSH (secure FTP) support, which requires downloading and configuring a third-party SSH client to work with Dreamweaver's FTP client.

All told, Dreamweaver MX runs well in Mac OS X—better than it does in OS 9, though not very differently than the previous version ran in OS 9, save for one key area: Tables are much easier to handle in MX. Now you can select, resize, and otherwise work with rows or cells according to your whim, not Dreamweaver's. If you've been begrudgingly tolerating Dreamweaver's table manners, this improvement alone may justify the upgrade.—Niko Coucouvanis



COMPANY: Macromedia
CONTACT: 800-457-1774
or 415-252-2000,
www.macromedia.com

PRICE: \$399 (SRP), \$199 (upgrade)
REQUIREMENTS: G3, Mac OS 9.1
or 10.1 or later, 96MB of RAM

GOOD NEWS: Better than ever with HTML code. More (and better) database support. Site Definition wizard is great for newbies.
BAD NEWS: Many new features are superfluous for some users. Steep upgrade price from version 4.

MacAddict RATED
★★★★★
GREAT

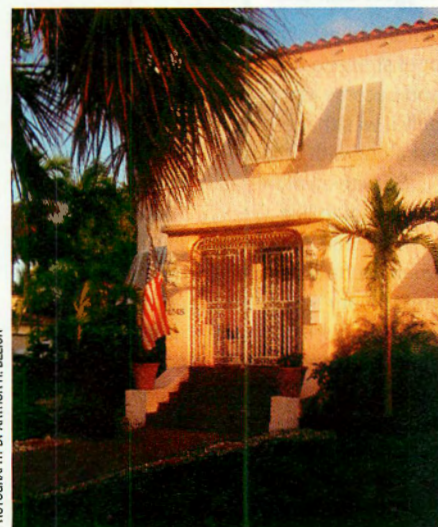
Olympus D-520 Zoom

HARDWARE

Olympus put its popular D-510 Zoom on a Slimfast diet to reduce its size, weight, and price, and the grand result is the 2-megapixel D-520 Zoom. It's 30 percent smaller and \$100 less—an outstanding digicam bargain at \$299.

The D-520's f-2.8 lens zooms from 5mm to 15mm (equivalent to 38mm to 114mm on a 35mm camera) and has shutter speeds from 1 second to 1/1,000th of a second. Just slide the lens barrier open, and 3 seconds later you're ready to shoot. Unlike many digicams in its class, which tend to run out of breath and slow down after you shoot a few consecutive pictures, the D-520 keeps cranking them out. We filled the supplied 16MB memory card with 33 high-resolution photos taken at 2-second intervals. Image review in Playback mode was even faster—each shot took only a second to come up sharp and clear on the 1.5-inch LCD monitor.

Most digicams require that you hold the shutter release halfway down before pressing it the rest of the way; this gives the camera time to calculate exposure, white balance, and—it sometimes seems—the alignment of



The D-520 captured the wall texture and gate grillwork perfectly in both light and dark areas.

the planets. But the D-520 did its preshot stuff briskly, especially under good lighting conditions. We got in the habit of fully pressing the button right after composing our pictures; this gave us a slight delay between bottoming out on the shutter release and the actual exposure, but it wasn't a killer.

The D-520 has only two buttons to fuss with. One brings up menus and confirms your choices, while the other allows you to see the most recent shot. This arrangement lets you review photos without wasting battery life by powering up the shooting mode—not that it's really a problem on this digicam. We clicked off 462 pictures in one week using a pair of Quest Platinum NiMH rechargeables (with the LCD monitor and flash on about 50 percent of the time), and the batteries were still going strong. Fantabulous!

You navigate the D-520's menu with a four-way rocker switch that also allows you to select the self-timer, six flash modes, and the macro setting (you can shoot objects as close as 8 inches away). The flash has a good reach of 10 to 15 feet; the camera automatically



The 2-megapixel resolution is more than enough to eliminate jagged edges on diagonal lines, such as these wires.



The D-520 Zoom is cheap, easy to use, and fast—two megapixels never looked so good.

PHOTOGRAPH BY MARK MADEO

reduces its intensity in macro mode to prevent overexposure.

The D-520 will display images on a TV screen and let you rotate vertical shots so you don't have to view them sideways. Want to fire 42 frames in 36 seconds, or record a silent movie, or shoot a panorama? No problem. And if you want to turn photos into black and white or sepia, or reduce them to 640 by 480 or 320 by 240 for Web display or email, you can do that, too—all in the camera.

Picture transfer to computer via USB went smoothly; no drivers are needed with Mac OS 8.6 or later. And image quality was fine; the 8-by-10-inch prints rolled out of an Epson 785 EPX with crispness and clarity even when moderately cropped (don't do too much trimming, though, or you'll reduce the picture's resolution and end up with pixels showing).

To paraphrase Goldilocks, the D-520 has neither too many features nor too few. It's stylish and easy to use, it delivers fine images, and the price is—well, just right!

—Arthur Bleich

More or Less

For \$100 more than the D-520, you can get the 3MP D-550 Zoom with extra goodies: a larger 1.8-inch LCD monitor, five program scene modes, noise reduction (for low-light shots), and automatic pixel mapping to eliminate the stuck or dead pixels that can occur as the camera ages. For \$100 less than the D-520, the 2MP D-380 has many of the D-520Z's features, minus the zoom lens. Both feature long battery life and body styles similar to the D-520Z's.

COMPANY: Olympus
CONTACT: 800-347-4027,
www.olympus.com
PRICE: \$299 (SRP)

REQUIREMENTS: Mac
with USB and OS 8.6–9.2 or
10.1 or later

GOOD NEWS: Outstanding battery life. Fine image quality. Rapid operation. 16MB SmartMedia card. Printed manual.

BAD NEWS: Some menus are confusing. Pop-up flash can't be locked down when not in use. Zoom is noisy and zoom lever is too small.

MacAddict RATED

GREAT



The Sims Hot Date

FUN & GAMES

When your Sims start going stir crazy, then it's probably time to step out a little. Hot Date, the third expansion pack to The Sims, brings another layer of inexplicable addiction to the game by offering a downtown area complete with a beach boardwalk, public park, pool halls, shops, and restaurants. No longer do your poor little sims have to get all dressed up with nowhere to go.

Sims will cheat on you at the drop of a hat—but at least they're not homophobic.

The ability to invite any other sim downtown to eat out, gamble (and lose, of course), imbibe, and buy overpriced goods adds a much more intricate and realistic level of gameplay. For instance, you can shop for items like clothes, flowers, candy, and teddies (both the bear and the lingerie varieties), either for yourself or as a gift for another sim. You can also grab a bite to eat at a hot dog stand or ice cream parlor, play with toy boats or feed fish in the local park, or get busy and canoodle with your sim du jour in the local diner. By the way, sims will embrace—literally—other sims of every race, gender, and hairdo. They'll cheat on you at the drop of a hat—but at least they're not homophobic.



You can feed fish, float toy boats, or just relax in the park.



Buy a hot dog, and then play some silver ball. This is more fun than downtown Brisbane, CA.

Another aspect of gameplay that Hot Date delivers is an increase in the number of interactions. You can now give someone a friendly hug or an intimate hug. When you're on a date, you can start slow by playing footsie or cuddling, then really put on the moves with an embrace, a kiss, or a full-on make out session. If the object of your affection isn't comfortable with your advances, he or she will slap you down. It's almost like real dating without the pressure and ego bruising (unless you're very emotionally in touch with your sim, in which case you have bigger problems than your dating life).

Perhaps realizing there's more to (some) people than a job, a house, and eating and going to the bathroom, the developers of Hot Date have added complexity to your sims by giving them interests like money, travel, politics, and technology. The more interested in certain topics sims are, the more likely they are to get along with other sims who have similar interests. If their interest level is lacking in



It's not about gender, it's about who has the biggest diamond.

certain areas, sims can buy magazines from bookstores to bone up on their knowledge and become more compatible with others. If only it was that easy to get smarter—and to get along with others—in real life.

So with all of this added complexity, what's not to like about Hot Date? Only that action seems to take place in slow motion when you're downtown (performance was not great on our 350MHz Power Mac G4 but better on our 800MHz iMac G4). Also, some of the problems in the original game still exist. For one, you'll still encounter broken action paths (when you sign up your sims to perform a series of tasks, and the game loses track of those tasks midway).

With Hot Date, your sims will be getting out of the house a lot more, you won't be. The game is more addictive than ever, and that's a very scary thing. —Cathy Lu



COMPANY: Aspyr
CONTACT: 888-212-7797
or 512-708-8100, www.aspyr.com
PRICE: \$29.95

REQUIREMENTS: 233MHz G3, Mac OS 8.6-9.x or 10.1 or later, 128MB RAM, ATI Rage Pro or nVidia GeForce2 or better, 600MB free hard disk space, copy of The Sims original game.

GOOD NEWS: Fun new downtown area. More ways to make romantic advances than in previous games.
BAD NEWS: Bugs from the original game still exist. Some performance problems with downtown area.



Final Draft vs. Screenwriter 2000

PRODUCTIVITY

Rivalries in Hollywood aren't limited to studio heads. Two major screenwriting programs, Screenplay System's *Movie Magic Screenwriter 2000* and *Final Draft's* namesake product, have been playing a game of one-upmanship for years. The most recent versions offer the best feature sets yet, and they both run in Mac OS X.

The laundry list of features common to both *Final Draft 6* and *Screenwriter 2000 4.5.3* is extensive. Both include standard script templates for TV and film; script-to-PDF output; extensive and easy-to-use formatting assistance; import from other applications; quick-type lists for frequently used words, such as names, scene slugs, or locations; embedded script notes; text-to-speech; index-card view; Internet collaboration; and production features, including scene breakdowns and character lists.

Each program also has exclusive features that the other lacks.

Final Draft's big one is an Ask The Expert With Syd Field help area, based on Syd Field's

popular screenwriting books, that works as an automated script doctor. *Screenwriter 2000's* exclusives are more production-centric and are heavily integrated with Screenplay

Systems' other products (such as *Movie Magic Scheduling*), shooting and revision reports, and password protection. Though *Screenplay* has more features overall than *Final Draft*, the real difference between these two applications lies in the execution of their common features—and what a difference it is.

Final Draft's dialogs, menus, and icons look right at home in the Mac interface, while *Screenwriter 2000* feels more like a Windows port. We forgave the latter's ungraceful interface since its preferences window and onscreen menus brim with options and

provide many customization opportunities, such as assigning functions to menu commands. *Final Draft's* preferences window offers less than a dozen options, with all the feature-specific ones integrated into the menus. Some users might find this limiting, but others will enjoy being able to start writing without having to master complex options.

Basic functionality, including autoformating for different types of screenplays, automatically switching between elements (dialog, action, and character), and industry-standard page breaks (*mores* and *continues*),

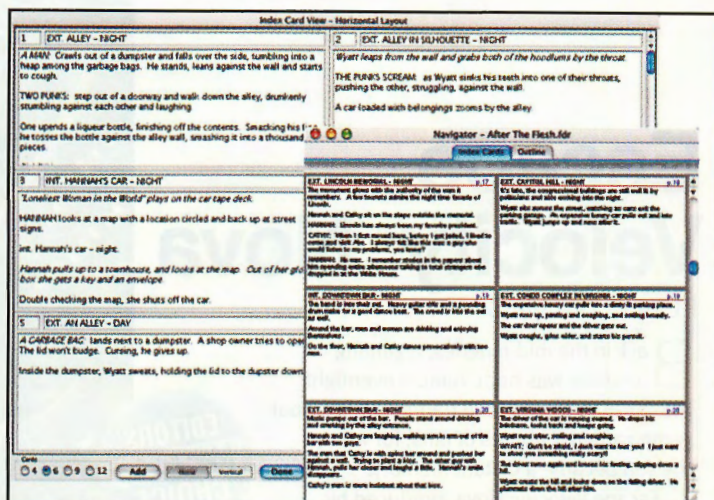
are virtually identical in both applications. Both programs can also import old scripts from Microsoft Word format and let you collaborate over the Internet, provided you and your writing partner use the same program.

Choosing between the two comes down to two things: the feel of the application and whether you're a working screenwriter (meaning others actually pay you to write and then shoot the film themselves). Writers who

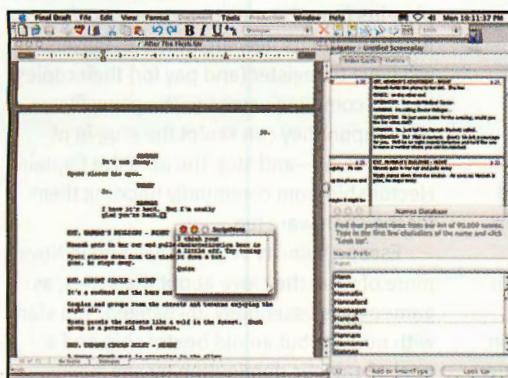
The basic functionality of both applications is virtually identical.

deliver scripts to mainstream studios, or independent producers with the intention of also shooting their own work, are better off with the added production features and customizability of *Screenwriter 2000*. Writers who work on spec or who primarily submit scripts to contests or readers will probably feel more comfortable working in *Final Draft*.

Screenwriter 2000 and *Final Draft* are both excellent programs and either one can handle most script-writing needs. We had more fun writing with *Final Draft*, but we'd go with *Screenwriter* for production work. —Rick Sanchez



Final Draft and Screenwriter 2000 have many nearly identical features, like Screenplay's Index Card view and Final Draft's Navigator view.



Final Draft's ScriptNotes let you annotate your script without messing it up.

Final Draft 6

COMPANY: Final Draft
CONTACT: 800-231-4055,
www.finaldraft.com
PRICE: \$249 (SRP), \$199 (street)

REQUIREMENTS: Power Mac,
Mac OS 8.6 or later

GOOD NEWS: Easy to use. Mac-like user interface.
Ask The Expert feature.
BAD NEWS: Limited preferences and customizability. No password protection.



Movie Magic Screenwriter 2000 4.5.3

COMPANY: Screenplay Systems
CONTACT: 800-847-8679,
www.screenplay.com
PRICE: \$249 (SRP)

REQUIREMENTS: Power Mac,
Mac OS 8.6 or later

GOOD NEWS: Customizable. Lots of production options. Password protection.
BAD NEWS: Windows-style user interface. Menu options confusing at first.



Escape Velocity: Nova

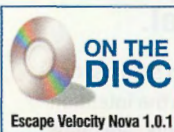
FUN & GAMES

Back in the mid-nineties, a gaming tradition was born. Almost overnight the Escape Velocity sci-fi trading and combat game garnered hordes of fans, for whom the sun became a distant memory.

Escape Velocity: Nova, produced by Atmos Software and published by Ambrosia, is the third game in the Escape Velocity series. Like its predecessors, Nova gives you command of a dreary space shuttle and the challenge to work your way up by completing various missions so you can purchase new ships, weaponry, and other items. You can also commandeer the ships of your vanquished enemies.

Enjoy the perverse thrill of galactic domination.

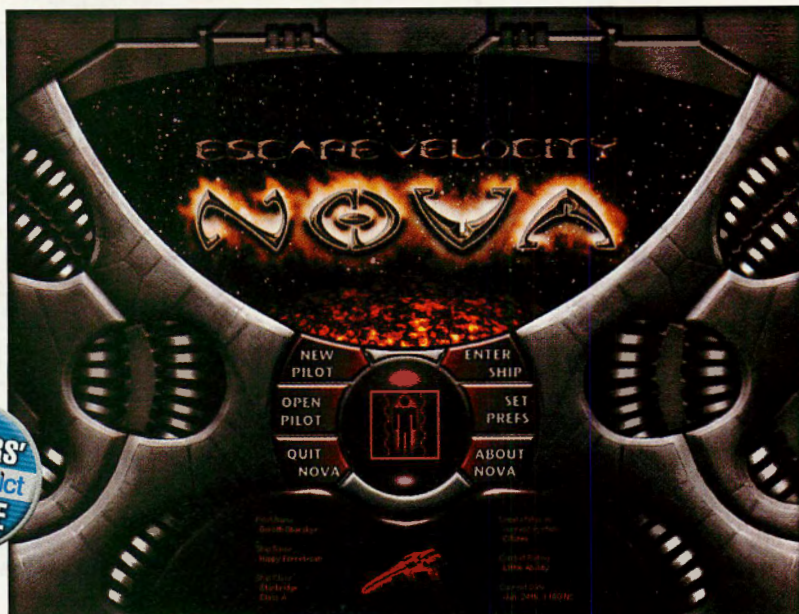
Like the original and its sequel, Nova utilizes plot lines that function in the background. Land on a planet and go into a local bar, and a stranger might approach you



with a deal. The missions range from special deliveries, escort jobs, and bounty hunting to taking sides in a conflict.



We'll holiday on the purple sands of Codec.



When personal spaceships become de rigueur, ours will have a console just like this.

Earn a sufficiently powerful ship and enjoy the perverse thrill that made Escape Velocity a classic: galactic domination. Hail a planet and demand tribute, and it will deploy its defensive fleet. After you blow its fleet out of the cosmos, the planet recognizes you as its overlord and pays annual tribute. Sweet.

Escape Velocity has matured very well, and Nova is proof of this. Impressive 3D graphics caress your eyeballs while top-notch sound immerses you in the game, making even routine deliveries awesome fun. Jump into a new space sector and watch as lasers, missiles, and chain gunfire tear between parties engaged in combat, while the explosions boom from your Mac's speakers with frightening authenticity.

Nova includes several features that allow players to handle routine travel-related tasks with ease. In the Map screen, for example, if you hold down the Shift key while clicking the systems to which you want to travel, the game marks the complete path for you. (Otherwise, you have to plan each leg of the trip separately as you arrive in each system.) Click the Jump button upon arrival in

a new system to advance to the next leg of the journey. It's also easy to avoid the most common mistake in Escape Velocity—hauling the wrong planet to land on. To select the correct planet and land without frustration, simply use the number keys to scroll through stellar objects.

Escape Velocity is based on a plug-in architecture that has always encouraged third-party development, and for years players have modified the resource files to create their own ships, items, campaigns, and worlds. This remains true in Nova, but plug-ins from the previous games won't function with its new architecture. Players will have to register (and pay for) their copies to gain complete access to the game files, whereupon they can sculpt the plug-in of their dreams—and stop the abrasive Captain Hector ship from continually heckling them for the shareware fee.

Escape Velocity veterans will find in Nova more of what they love about the series, as gameplay is essentially unchanged: You start with nothing but an old beater ship and a goal of galactic domination by any means. Although the game starts at a slow pace, the terrific variety of ships, weapons, items, and upgrades pick up the tempo once you start making some bank. The game is as fun as it ever was, it's more beautifully designed than you could expect a shareware game to be, and it holds incredible potential for the future.—Chris Barylick



COMPANY: Ambrosia Software
CONTACT: 800-231-1816,
www.ambrosiasw.com
PRICE: \$30 (SRP)

REQUIREMENTS: Power Mac,
Mac OS 8.1 or later, 128MB of RAM

GOOD NEWS: Beautiful graphics. Wonderful sound. Great interface. As much fun as its predecessors.

BAD NEWS: Manual is descriptive, but not thorough. Learning all the tricks of some features requires much trial-and-error.

MacAddict RATED
●●●●●
GREAT

Toast with Jam 5

AUDIO

Third-party CD-burning software might seem like a hard sell these days, what with most Macs coming from the factory with built-in CD-RW drives, as well as iTunes and Disc Burner software. Roxio has met the market challenge and then some in Toast with Jam—two great tastes that go great together.

Toast goes way beyond simple disc burning, providing the power to create not only data and audio CDs, but MP3 CDs, DVDs, and Video CDs (VCDs). The latter offer a totally sweet way to transport your QuickTime movies to those unfortunate souls who don't own a Mac but do have a DVD player. VCDs use common CD-R media, but most commercial DVD players can play them back. Add Toast to iMovie and be your own production and distribution tycoon. Just drag your QuickTime file to the Toast window and press the Record button—the VCD deed is done. Oh, yeah—it will do all that good burning stuff in the background, without causing a hiccup in your digital lifestyle.

Jam provides intensive audio editing and audio-CD mastering, your ticket to a 100 percent Red Book-compliant audio CD. The fun doesn't stop there, though. You can get down to the nitty-gritty when arranging your tracks by editing PQ subcodes (designating

How do you make Toast even better? Easy—slather on the Jam.

track starts and stops, product identifier code, International Standard Recording Code, a 10dB boost to compensate for high-end loss, and copy prohibit).

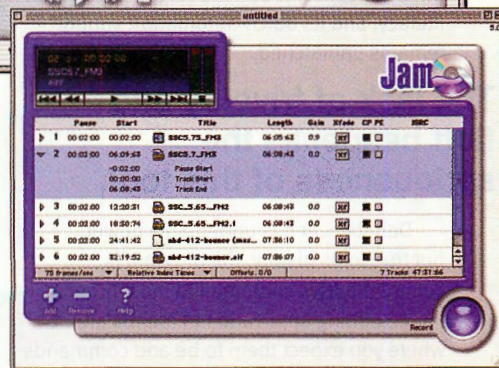
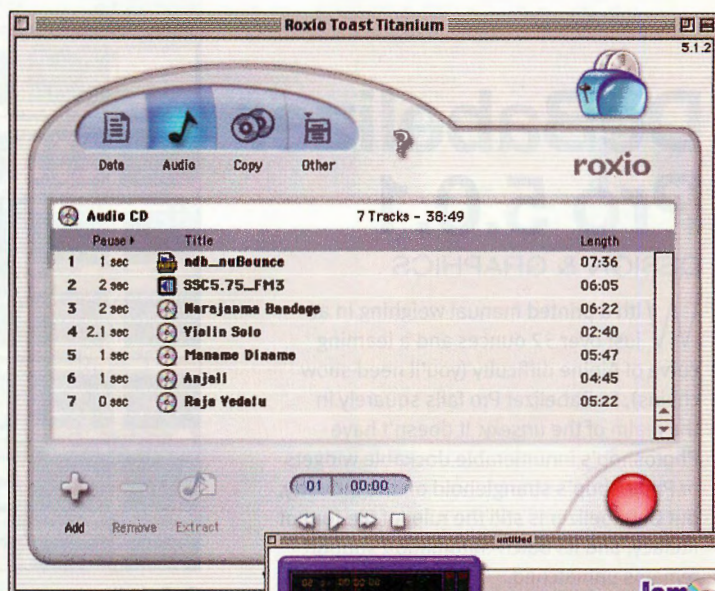
Jam's new cross-fading feature lets you apply your own cross-fades graphically between tracks and preview the effect before saving and burning to CD. If you make mix CDs, this feature alone is worth its weight in glow sticks.

One simple but cool feature in Jam is the ability to adjust the volume individually for the left and right channels of a stereo track. This is a great way to tweak an imbalanced track, in which the effects levels are too weak or not hot enough.

Jam can automatically normalize the files, optimizing volume levels up to 12dB (if you need to jack up your levels beyond that, they are too low to begin with) by raising the highest peaks to just below 0dB.

The last link in the processing chain is what Roxio calls Smart Dithering, which smooths out any noise distortion resulting from processing and downsampling audio. It works quite well, according to our ears: We brought a 24-bit file down to 16 bits and couldn't hear any artifacts.

And those files can come in just about any audio format commonly used in the world of digital audio—mono, stereo, or split-stereo files with a sampling rate of 44.1KHz and a resolution of 16 to 24 bits, in flavors of AIFF, MP3, WAVE, Sound Designer II, and most QuickTime-compatible files (including some video formats; QuickTime extracts



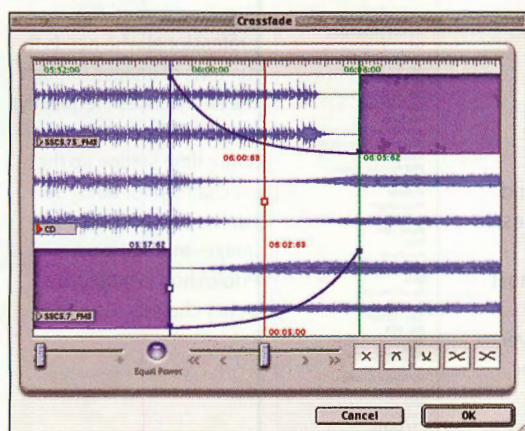
the audio and imports it as a sound file into Jam).

Just so you can delve even further into audio-processing geekery, Roxio has kicked down Bias Peak LE with the package. Peak LE, an app for nondestructive editing of stereo waveforms, allows you to microedit your waveforms and offers support for the vast

If you make mix CDs, Jam's cross-fading is worth its weight in glow sticks.

array of VST plug-ins. Use Peak LE to remove clicks and pops, add a bit of ambience with reverb, or create just about any freaky effect you can think of.

So who wouldn't want Toast with Jam? Nobody we know. Anyone with a yearn to burn CDs will find something to love about the package—especially musicians working on their own CD projects. Toast with Jam lets us mere mortals flood the world with our music and VCDs.—Kent Carmical



Jam's cross-fade capabilities make iTunes' look like a pile of puke.

COMPANY: Roxio
CONTACT: 425-222-3210 or
866-280-7694, www.roxio.com
PRICE: \$189.95 (SRP), \$170 (street)

REQUIREMENTS: Power Mac, Mac OS
9.1 or 10.1.2 or later, 16MB of RAM

GOOD NEWS: OS X support. VCD burning.
Operates in background. Supports 24-bit files.
BAD NEWS: Could be a better deal, price-wise.

MacAddict RATED
GREAT

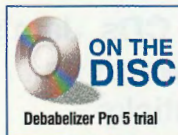
DeBabelizer Pro 5.0.1

DESIGN & GRAPHICS

With a printed manual weighing in at just over 32 ounces and a learning curve of Alpine difficulty (you'll need snow chains), DeBabelizer Pro falls squarely in the realm of the *unsexy*. It doesn't have Photoshop's innumerable dockable widgets or Photoshop's stranglehold on the industry, but DeBabelizer is still the ruler of file-format literacy, and its batch-automation support remains unmatched.

The lack of frivolity and fluff bespeaks the seriousness of this tool.

DeBabelizer has undeniable power, but true to its history, the program is counterintuitive compared to most other image-editing applications—menus aren't where you expect them to be and commands often don't do what you want them to do. To be fair, DeBab's strength lies neither in the friendliness of its menus nor in the charm of its dialog boxes, but in its customizability and loving acceptance of almost every digital-image file format on earth. Equipped with DeBabelizer, you can easily work with image formats as diverse as Apple II, PlayStation, raw RGB, and proprietary



oddities you may never have heard of, such as TIM and QDV files. Output options include almost as many formats.

Automatization

DeBabelizer's supplied image-processing scripts tend toward the industrial variety, while Photoshop's lean in the direction of aesthetics and effects. If you're in the habit of tweaking all the minutia of every automatic process and debugging scripts for fun, then DeBab's got your ticket—otherwise, save \$90 and stick with Photoshop.



DeBabelizer's automatic tiling command brings order to the most roguish gallery, even if those darned palettes stick out and ruin the overall effect.

DeBabelizer makes its other claim to fame with its batch-processing skills, which are mad indeed. Once you get used to scripting actions for automation, you can unleash DeBabelizer's power upon unsuspecting batch lists or folders full of images—you can even assign scripts to Hot Folders, and DeBabelizer automatically processes any image you drop in the designated folder. The catch to all of this, however, is learning the ins and outs of DeBabelizer's scripting—no easy task. Thankfully, the program comes with a handful of prefab scripts, and an automatic record feature can take notes as you perform tasks on an example file, but the resultant script generally needs a fair amount of editing to make it suitable for mass consumption.

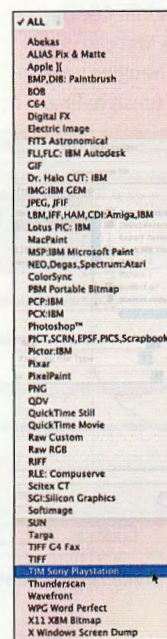
Considering how much Equilibrium touts DeBabelizer's batch-processing automation, you expect to see the app happily chewing through your files in the background. If you're not careful about your script construction, though, you'll find yourself watching as DeBabelizer struggles to remain the topmost application.

That said, DeBabelizer remains the most tweakable image editor for doing a Rube Goldberg on your image files. If you've ever bemoaned the fact that your image editor of choice offers only three methods for resampling when resizing images, rest assured that one of DeBabelizer's seven options will suit your needs. Likewise, most of the program's other functions have several

more levels of customization than we're accustomed to in Photoshop. DeBabelizer's palette-management tools are unequaled in their variety—in addition to the 24 standard-issue palettes, it offers more options for generating, modifying, importing, and exporting color tables than any normal human could possibly need, including the time-honored SuperPalette, which polls selected files, forcing consistency across a range of images.

The lack of frivolity and fluff bespeaks the

seriousness of this tool—truly it is an image processor more than an editor. DeBabelizer is geared toward the professional who needs to run tons of images through the same paces (frequently) and can afford to spend some time setting up the mechanism for doing so. For the hobbyist or single-image-minded pro, Photoshop is probably a better choice.—Paul Yoon



DeBabelizer recognizes no less than 49 image formats, and can export almost as many.

COMPANY: Equilibrium
CONTACT: 866-554-4445 or
415-453-4427, www.equilibrium.com
PRICE: \$699.95 (SRP), \$499.95 (upgrade

from LE version), \$149.95 (upgrade from
versions 3 to 4.X)
REQUIREMENTS: G3, Mac OS 9.1
or later, 64MB of RAM

GOOD NEWS: Tweakability galore. Backward
compatibility goes as far as the 1980s. Effective.
BAD NEWS: Attention hog. Unpretty. Brutal learning
curve. Costs \$90 more than Photoshop.

MacAddict RATED
SOLID

S900 Photo Printer

HARDWARE

Remember your first inkjet printer? Technology has come a long way since the StyleWriter days (circa 1991). Canon's S900 Photo Printer is a fine specimen of printer evolution, featuring six colors of ink—each in its own individual ink cartridge—delivered via Canon's patented MicroFine Droplet Technology through a claimed 3,072 nozzles.

The S900 looks good in its silver and black plastics (go Oakland Raiders!), feels reassuringly sturdy, and runs quietly (though, like any inkjet printer, it makes some loud grating noises when you first turn it on, and at the beginning and end of a print job)—it even has a Quiet mode, which is a nice thought but didn't seem to make much difference.

8 by 10 color prints flew out in 2 minutes flat—that's 3 times faster than our trusty Epson C80.

Setting up the S900 is a bit more involved than the single-cartridge ink systems of old, but not much: Unpacking the printer and installing the printhead and six ink tanks was rudimentary (thank you, picto-guide), and the included driver and software (PhotoStitch and ImageBrowser) installed easily enough in Mac OS 9, though you'll have to visit Canon's Web site for the Mac OS X driver. Too bad we can't download a USB cable—we're getting mighty tired of dogging printer manufacturers for gypping us on the USB cable, but BYO USB cable is apparently now the standard. That sucks.

OS X users are pretty much on their own with this printer. Neither the included quick-start guide nor the manual so much as mention Apple's new default OS, not even to tell you OS X drivers are available online. To Canon's credit, the OS X driver download includes two instructional pages: one for installing the software and one for uninstalling it. Installation is a bit confusing,



PHOTOGRAPH BY MARK MADEO

Look out FotoHut—Canon's S900 is faster, easier to use, and cheaper in the long run.

actually, because the installer automatically opens the instruction page midway through the process, warning you to remove any previous OS X Canon BJ (bubble jet) drivers before continuing. What it doesn't tell you is where to find BJPrinterUtility (it's in the Applications folder, where you might not think to look, given that the Canon_S900_v130 folder sits alphabetically right under the Applications folder). Since the guide that comes with the printer says you need to align the printhead before using the printer, it'd be nice if the OS X utility were integrated into the print dialog (as it is in Mac OS 9).

What this printer lacks in simplicity, it gives back in speed and quality. At the highest-quality setting, 4 by 6 borderless prints took an average of 45 seconds; at the same setting, 8 by 10 color prints flew out in 2 minutes—about 3 times faster than our trusty Epson C80. The S900's print quality also impressed us: The magenta cast that has plagued other Canon printers is almost completely absent, and fine detail only disappeared in the darkest shadowed areas. The S900 also prints text well on high-quality paper (such as Canon's High Resolution paper). Letters came out slightly blurry on regular paper, but that's not surprising for a photo printer.

The S900's good performance also helps us forgive the sometimes bizarre behavior of its drivers: An empty ink cartridge generated a

"communication error" (which the recommended fix of resetting the printer didn't cure, but detaching and reattaching the printer's USB cable from the Mac did). Similarly, the display that shows the amount of ink remaining assumes you started with a full tank, so if you reinstall a half-full tank, the display will show it as full. This only occurs in OS 9, however, as the OS X driver lacks the display as well as the ability to save more than one custom print setting.

If you need a fast photo printer that produces nearly perfect prints, the S900 won't disappoint you. It's not completely idiot-proof, but a complete idiot wouldn't have a Mac anyway.—*Niko Coucouvanis*



The S900 sports six individual ink tanks: Black, Photo Cyan, Photo Magenta, Cyan, Magenta, and Yellow.

COMPANY: Canon
CONTACT: 800-652-2666,
www.canon.com
PRICE: \$399 (SRP), \$350 (street)

REQUIREMENTS: Power Mac with USB
port, Mac OS 8.6 or later

GOOD NEWS: Fast. Generally quiet. Good-quality
photo prints.

BAD NEWS: Schizophrenic drivers. Expensive.

MacAddict RATED
●●●●●
SOLID



X-MeM 20GB Bundle

HARDWARE

What's this, you ask—MacAddict is reviewing cheap cologne? Don't let the deco styling fool you: The X-MeM is actually a storage rig based on a removable hard disk. But on one of our test Macs, the X-MeM seemed to smell just as bad.

Thanks, X-MeM! We didn't need that FireWire bus anyway.

The base bears an AC power jack and two FireWire ports, but if you slide up the plastic housing from the base, you'll find an attached cable coiled around the inner body. This cable is a mixed blessing. It comes with interchangeable tips for FireWire and USB (1.1) connections—versatility is a good thing,

even if we'd rather be stabbed to death with a butter knife than use a 20GB USB 1.1 hard drive. Connected via FireWire, the X-MeM copied a 460MB file in 110 seconds—15 seconds slower than an iPod moved the same file.

X-MeM is plug-and-play in Mac OS X, no extra driver required. Mac OS 9.2.2 and earlier systems do need drivers, which the CD includes and which worked fine for us. The package also comes with a simple AppleScript that'll automatically back up a designated folder from your startup drive every time you mount the X-MeM, provided you name the X-MeM device "FW Drive" and the backup folder "Backup Folder"—or modify the script.

We had one notable problem with the X-MeM: After we dismantled and unplugged



PHOTOGRAPH BY MARK MAED

Let's hope beauty is in the eye of the beholder—this thing put a serious ugly on our FireWire port.

the device from our 400MHz G4, we discovered that the Mac's onboard FireWire controller had been so badly fried that FireWire no longer showed up in the Apple System Profiler. We've heard anecdotal evidence of power-management issues leading to dead FireWire ports on G3s and early G4s, but neither Apple nor CompuCable had any explanation for our mishap, and the X-MeM performed flawlessly on other G4s of the same generation, as well as newer models.—Niko Coucouvanis



COMPANY: CompuCable
Manufacturing Group
CONTACT: 800-344-6921,
www.compuCable.com

PRICE: \$289.95 (SRP)
REQUIREMENTS: Power Mac with
FireWire and/or USB connection,
Mac OS 8.6 or later

GOOD NEWS: Kind of cool looking, maybe.
BAD NEWS: Kind of cheesy looking. Fried our
FireWire port.

MacAddict RATED
●●●●●
SOLID

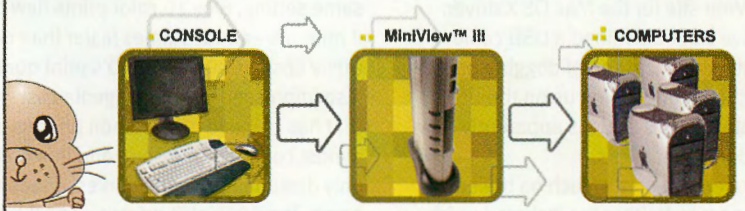
IOGEAR

The only True USB KVM & Peripheral Switch

MiniView™ III USB KVMP Switch.

How does it work?

Control multiple computers using one single keyboard, monitor and mouse.



IOGEAR's new MiniView™ III USB KVMP features a trendy, patented design to save your money and desktop space!

Its smooth body protects the most advanced KVM technology available. Whenever you choose to push the button on the KVM itself or use Hot Key control form your USB keyboard, you will simply control your multiple computers with the same Monitor, USB Keyboard and Mouse. This savvy KVM includes On Screen Display and allows you to easily share additional USB peripherals. It seems too good to be true, but here it is.

Available with 2 & 4 ports. (Models GCS1712 & GCS1714)

Contact Info. 23 Hubble Irvine, CA 92618 Phone: 949.453.8782 Fax: 949.453.8785 www.iogear.com

The Mercury Elite runs cool and quiet, no fan required.



You can open up the DesktopGB for upgrading—or fan removal.



PHOTOGRAPHY BY MARK MADEO

Battle of the Hard Drives

HARDWARE

They say the clothes make the man; following that logic, the Maxtor D540X hard drive, a 160GB marvel of modern engineering, should be even better dressed up in an external FireWire enclosure, such as Other World Computing's Mercury Elite or WiebeTech's DesktopGB.

Both of these external FireWire units house the supersize 160GB Maxtor DiamondMax D540X (an Ultra ATA/133, 5,400-rpm drive with a 2MB cache)—that's enough hard drive for 13 hours of pure DV video; 40,000 or so MP3s; or more high-res digital snapshots (80,000 of 'em at 2MB per file) than anyone should be allowed to possess.

We tethered each drive to a dual-gigahertz Power Mac to run some time trials and quickly discovered that in terms of performance, the case doesn't make a bit of difference—we found no discernible speed difference between the two when using the Mac OS's native FireWire support. This comes as no real surprise, since both devices use the state-of-the-art Oxford 911 FireWire bridge to tango with the ATA Maxtor drive. The real difference is in the driver: The DesktopGB relies on the Mac OS's built-in FireWire drivers, while the Mercury Elite comes bundled with Intech

Speed Tools 3.5, a capable drive-setup and benchmarking utility that, according to our unscientific speed tests, improved the drive's performance by up to 15 percent in some operations (reading a folder full of small files), but degraded performance by up to 10 percent in others (writing large files). The Speed Tools application itself doesn't run in OS X, but installing the Speed Tools drivers from OS 9 didn't affect the drive's performance in OS X.

So which one should you buy? If your primary concern is either saving money or

getting raw speed, skip both enclosures and buy the drive solo from Maxtor (\$299.95, www.maxtordirect.com), then install it in your Mac. If internal isn't an option or portability is worth the extra \$30, go with the Mercury Elite for its smaller price tag and included software. If you want to keep your options open, the DesktopGB is more versatile by virtue of its easy accessibility: Slide open the case, and you can swap the 160GB within for another drive, like the one that came in your Mac—it'll fit happily inside.—*Niko Coucouvanis*

Da Numbas

Using the Mac OS's native FireWire support, the two drives raced to a dead heat. We installed the supplied Speed Tools driver on the Mercury Elite (OS 9 only; all other times reflect the Mac OS's native FireWire drivers) and tested both externals against a Maxtor D540X installed inside the Mac, just for kicks.

| | Big File (Read) | Big File (Write) | Small Files (Read) | Small Files (Write) |
|-----------------------|--------------------|---------------------|-----------------------|------------------------|
| DesktopGB | 10.1/4.2 | 13.0/10.5 | 20.0/10.7 | 66.2/66.3 |
| Mercury Elite | 9.5/4.5 | 14.3/10.6 | 17.3/10.5 | 64.7/66.2 |
| D540X internal | 7.3/5.5 | 10.6/10.2 | 15.5/9.8 | 66.0/64.9 |

Scores are for OS 9/OS X. Times are in seconds; smaller numbers are faster. Big file is 135MB; small-file test includes 2,000-plus files, 34MB total.

DesktopGB 160GB

COMPANY: WiebeTech
CONTACT: 316-744-8722,
www.wiebetech.com
PRICE: \$379.95 (SRP)

REQUIREMENTS: Any Mac with a
 FireWire port, Mac OS 9.2 or later

GOOD NEWS: User upgradable. Quiet fan.
BAD NEWS: \$30 more than competitor.

MacAddict RATED
 ●●●●●
SOLID

Mercury Elite 160GB

COMPANY: Other World Computing
CONTACT: 800-275-4576,
www.fastermacs.com
PRICE: \$349.95 (SRP)

REQUIREMENTS: Any Mac with a
 FireWire port, Mac OS 8.6 or later.

GOOD NEWS: Intech SpeedTool included.
 Cheaper than the competition. No fan noise.
BAD NEWS: Not user upgradable.

MacAddict RATED
 ●●●●●
GREAT

Spring Cleaning 5.0

UTILITIES

Despite our natural aversion (as slobs) to its name and our disappointment with prior releases, Aladdin's Spring Cleaning 5.0 is a program we really wanted to like. The difference in this version is Mac OS X, of course. The program comes with separate installers for Mac OS X and earlier Mac OSs, and both do their cleaning tasks in any system installed on the Mac, so you can clean up your OS 9 disk from within OS X and vice versa.

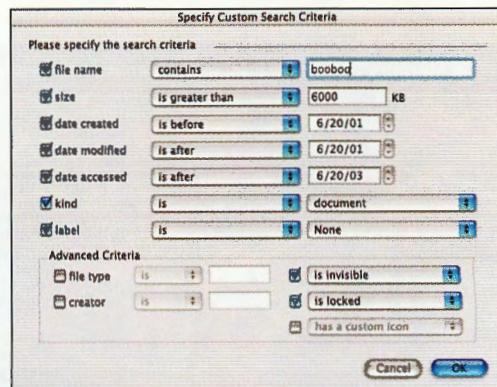
Those cleaning tasks include the old standards, such as Alias Fixer, Font Finder, MacUninstaller, and Orphaned Pref Finder.

We're miffed that it doesn't have a magic Uninstall button.

There are also some new features; our favorites are Internet Cache Finder, which helps you clean and manage your various browser cookie, history, and cache files, and MailCleaner, which deals with rogue email attachments (Aladdin sells those last two in stand-alone form as iClean for \$29.99).

Since Spring Cleaning is billed as *the ultimate Mac uninstaller*, we're miffed that it doesn't have a magic Uninstall button (like the one included in many programs' installers) to purge an app and its accessory support files; the closest thing is MacUninstaller, which returns a list of related files as well as documents created with the target app. Spring Cleaning is still essentially a glorified search engine, like Sherlock, only it has action items such as delete, archive, move, launch, duplicate, or exclude items from future searches built into its interface.

We'll preempt the inevitable question, "What about Mac OS X permissions?" You can launch Spring Cleaning in Super Access mode, which prompts you for an Administrator password once at the beginning of the session and then lets you raise all the hell you want. Obviously this opens the door to hosing your system severely, so approach with caution. And be glad there's a Restore feature, which can undo most of Spring Cleaning's procedures.



If you recognize Spring Cleaning's Custom Search Criteria as nearly identical to Sherlock's More Search Options, you probably don't need Spring Cleaning.

Spring Cleaning reveals files deep in the bowels of your hard drive: Orphaned Pref Finder led us to Hard Drive > Users > niko > Library > Preferences > PMKey 3 ncoucouvanis. Too bad that's an application's license key—trashing it would disable the app, which is still installed on the Mac. Oops.

Spring Cleaning is a good chaperone for the brave new world of Mac OS X, but ultimately it still doesn't do much more than you can do by spending a little quality time with Sherlock. If that scares you, get Spring Cleaning.—Niko Coucouvanis



COMPANY: Aladdin Systems
CONTACT: 800-656-5443 or
831-761-6200, www.aladdinsys.com
PRICE: \$49.99 (SRP), \$29.99 (upgrade)

REQUIREMENTS: Power Mac,
Mac OS 8.6–9.x or 10.1 or later

GOOD NEWS: Restore feature undoes overzealous cleaning. Built-in iClean helps you manage Internet crap.
BAD NEWS: Can be more trouble than it's worth.

MacAddict RATED
50-50

realMyst

FUN & GAMES

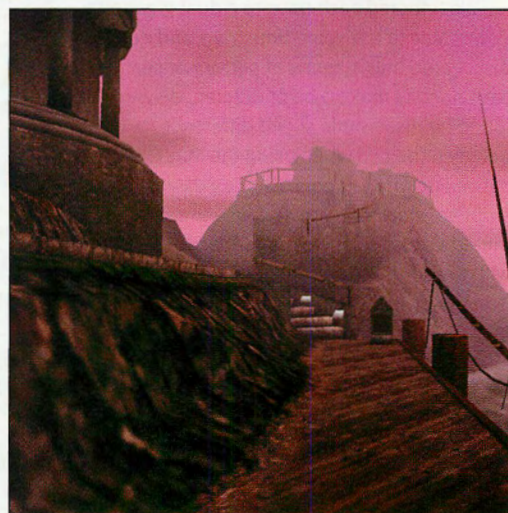
For some gamers, *Myst*'s title evokes memories of a fantastic otherworld that in 1996 made you forget you were just sitting in front of your Mac. Now, with *realMyst*, you can visit that wondrous island again, this time with all the trimmings: 32-bit color, high-quality sound and music, and the most anticipated change of all: real-time 3D movement.

The graphics in *realMyst* are superb—not only better looking than those in the original, but animated as well. Now pools of water ripple and undulate, and you can watch the sun rise and set, an impossibility in the original *Myst*'s slide-show format. The downside of this emphasis on high-grade eye

candy is that it makes for aggravatingly choppy frame rates, even with the graphics at the lowest setting on a moderately speedy 800MHz G4 tower with an ATI Radeon 32MB video card.

Technical quirks aside, *Myst* is one of the best puzzle-based exploration games ever made. If you have a superfast Mac and you fit one of the following criteria—you're a *Myst* fan who wants to play the game in a whole new way, or you're a puzzle-solver who has never experienced the world of *Myst*—then you'll enjoy *realMyst*. Otherwise, just wait for *Myst IV*.

—Andrew Tokuda



Passage of time is a welcome enhancement to *Myst*, but it demands a thoroughly modern Mac.



COMPANY: MacPlay
CONTACT: 800-462-2752,
www.macplay.com
PRICE: \$29.99 (SRP)

REQUIREMENTS: 300MHz G3, Mac OS
8.6 or later with 64MB of RAM, Mac OS
10.1 or later with 128MB of RAM, 16MB
3D video card

GOOD NEWS: Beautiful real-time 3D graphics and high-quality sound.
BAD NEWS: Choppy, frustrating navigation, even on fast Macs.

MacAddict RATED
SOLID

Font Reserve 3.0

UTILITIES

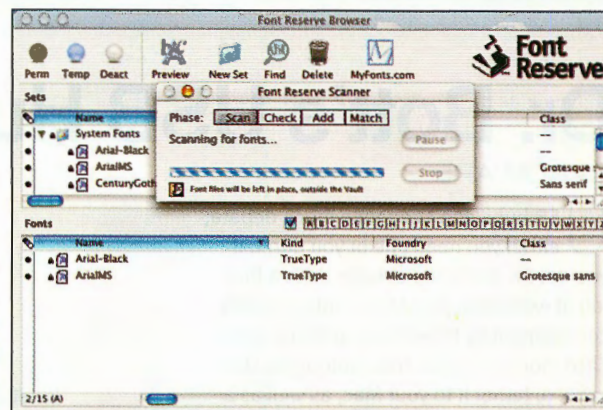
A typical Mac OS X installation contains at least four Fonts folders. If this fact sends you rushing for a bottle of aspirin, consider Font Reserve for more permanent relief. Because Mac OS X is designed for multiple users, it has multiple Fonts folders, on levels ranging from the system to the individual user. In addition, it maintains the original Fonts folder in your Classic System Folder.

Font Reserve is pure bliss for the Mac-loving font fiend.

Font Reserve lets you use fonts without having to install them in any of those folders. You can store the fonts anywhere, on any drive accessible to your Mac.

Installation is a breeze. Run the installer and launch the Font Reserve Settings application to set things up. To inspect or

Sic Font Reserve on a big font library and go make a sandwich—cataloging a lot of fonts takes a while, but it's worth the wait.



activate fonts, run the Font Reserve Browser application. A setup assistant would help here, but you can get by without it.

To add fonts to Font Reserve, drag the folder or drive containing your fonts to the bottom pane of the Font Reserve Browser window. From there you can move or copy fonts directly into the database or leave them in place. It took 15 minutes to catalog the fonts on our gigahertz Power Mac.

Now you're ready to rock and roll. When you need to turn on a font, just click the tiny button

next to its name; a second click turns it off.

What's missing? Fonts don't automatically activate in Mac OS X when you launch a document using an opened font. In addition to Mac OS X's dfonts, Font Reserve doesn't support OpenType and Windows fonts unless you put them in one of Mac OS X's native Fonts folders. An update, however, should be available by the time you read this.

Despite these small limitations, Font Reserve is pure bliss for the Mac-loving font fiend.—Gene Steinberg



COMPANY: Diamondsoft
CONTACT: 415-381-3303,
www.fontreserve.com
PRICE: \$89.95 (download), \$99.95

(boxed), \$49.95 upgrade
REQUIREMENTS: G3, Mac OS 10.1.1
or later, 256MB of RAM

GOOD NEWS: Simple font management. Great performance.
BAD NEWS: Slow font cataloging. Font autoactivation doesn't work in Mac OS X. Program doesn't recognize some font formats.

MacAddict RATED
GREAT

Soundbug

HARDWARE

We wanted so badly to like the Soundbug. In theory, when you plug it into an audio source and suction the device onto a window, filing cabinet, or other smooth, flat area, the entire surface becomes a sounding board. In practice, the Soundbug just sucks.



The Soundbug left us singing the "don't believe the hype" blues.

The Soundbug looks so cool, and feels so sturdy and well made, that we couldn't believe how bad it sounded. And yes, we used clean MP3s with a high bit rate; the problem is that when you bounce music off a smooth, flat surface, you get shallow, flat sound.

We've got half a mind to bill the company for all the time we wasted trying to make this thing sound good.—Niko Coucouvanis



COMPANY: Wave Industries
CONTACT: 503-736-2570,
www.soundbug-us.com

PRICE: \$49.95 (SRP)
REQUIREMENTS: 1/8-inch
audio minijack

GOOD NEWS: Cool idea.
BAD NEWS: Sounds like crap.

MacAddict RATED
LOUSY

PowerMate

HARDWARE

Even if it did nothing more than look cool, we'd still want a Griffin Technology PowerMate on our desk, its glowing blue base a-pulsing. The fact that it's also useful is icing on the cake.

The PowerMate's solidly built aluminum knob and big-buttoned head send commands to your Mac over USB. Griffin supplies a few canned command sets, but the real value lies in creating your own application-specific settings to control key commands, clicks, volume, scrolling, and more.

Ours worked well as an iMovie jog wheel and Final Cut Pro trim controller, but even with sensitivity set at rock bottom, controlling Photoshop zooming was tough—slow down, lil' fella!—Rik Myslewski



Don't hate me because I'm beautiful.



COMPANY: Griffin Technology
CONTACT: 615-399-7000,
www.griffintechnology.com

PRICE: \$45 (SRP)
REQUIREMENTS: USB-equipped Mac,
Mac OS 9.0.4 or later

GOOD NEWS: Exceptionally cool. Extremely well built. Highly customizable. Pulsing, AppleScriptable, glowing blue base.
BAD NEWS: Keystrokes sent too fast for some apps.

MacAddict RATED
GREAT

PHOTOGRAPHY BY MARK MADEO

Dr. Bott's USB Hubs

HARDWARE

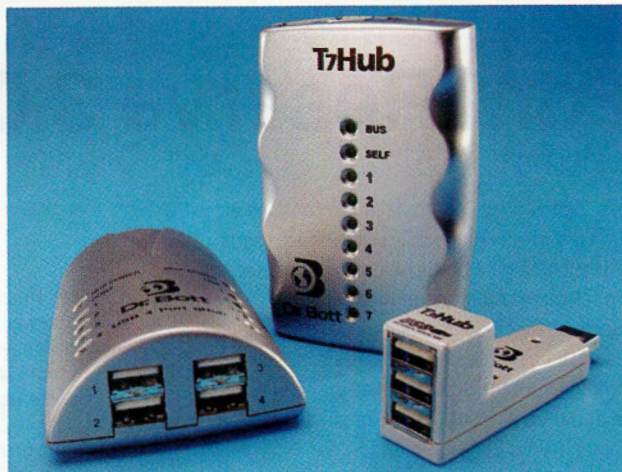
USB hubs don't generate much debate; either you need one or you don't. If you do, Dr. Bott's trio of hubs does a fine job of extending your Mac's onboard USB complement by three, four, or seven ports. Each model includes the appropriate USB cable to tether it to your Mac, as well as a bank of LED lights indicating active USB connections, both downstream (to connected devices) and upstream (back to the Mac).

Starting with the little guy, the T3 is a rare breed of USB hub: Dr. Bott calls it semi-self-powered, though it lacks any external power supply. The general rule with USB hubs is that low-power devices (such as mice and joysticks) can run off the power supplied by the USB bus, whether you plug the device into a hub or directly into a Mac. Power-sucking USB devices (such as bus-powered scanners and Zip drives) generally require a direct

Whether you need three, four, or seven extra USB ports, Dr. Bott has a hub for you.

connection to the Mac or a powered hub—that is, one with its own AC power supply. We attached a bus-powered scanner, a mouse, and a powered printer to the T3 with no malfunction. The T3 includes two little touches that make it a perfect travel mate: Little plastic caps protect the ports from dust and lint in transit, and the included 6-inch USB cable keeps the stress off your laptop's USB port.

Maniac multitaskers will need to step up to a powered hub, such as the gHub or T7, which provide four and seven USB ports, respectively. Both are just about iPod size and come with the appropriate USB cable and AC power supply. Both worked fine with everything we plugged in, including USB 2.0 devices, though only at the slower USB 1.1 speeds. If you can live without USB 2.0, these hubs will serve you well.—*Niko Coucouvanis*



9

COMPANY: Dr. Bott
CONTACT: 503-582-9944 or 877-611-2688, www.drbotth.com
PRICE: \$33.95 (T3), \$44 (gHub), \$59 (T7)

REQUIREMENTS: SB-equipped Mac, Mac OS 8.6 or later

GOOD NEWS: Stylish. Smart.
BAD NEWS: Hubs don't support USB 2.0 speed. Light enough so a USB cable can pull them off the desk.

MacAddict RATED
SOLID

XA 3021

HARDWARE

The XA 3021 speaker system targets video gamers, but it plugs right into a Mac, so we gave it a listen.

The box includes all the cables you need: stereo RCA for connecting a TV, VCR, or game console; and stereo minijack-to-RCA for amplifying your Mac or iPod. Also included is a wired remote with power, volume, and three bass settings, as well as dual headphone jacks (for stealth gaming).

For a 40-watt system, the XA 3021 sounds great: Its rich bass adds a whole 'nother level of menace to Quake III's rocket launcher, and the capable satellites are magnetically shielded so you can put them right next to your monitor with no ill effects.

If you like the XA 3021's look, you'll love the sound—especially if you can con somebody else into paying for it.—*Niko Coucouvanis*



Altec Lansing's new gaming speakers dropped a funk bomb on us.

COMPANY: Altec Lansing
CONTACT: 800-258-3288, www.altecmm.com

PRICE: \$99.95 (SRP)
REQUIREMENTS: 1/8-inch minijack or RCA audio source

GOOD NEWS: Good sound. Cool design.
BAD NEWS: Expensive.

MacAddict RATED
GREAT

Sharp LL-T1820 LCD

HARDWARE

The LL-T1820 is not the most seductively named LCD, but after you view your digital images on this 18.1-inch display, you won't give it up.

Sharp says that the LL-T1820's 10-bit gamma correction lets it display a billion colors. While we didn't exactly count them, the range of colors in areas that looked flat on a our regular CRT looked quite rich on the LL-T1820. Tiny 10-point text on the display appeared slightly granulated, but it looked the same on a 23-inch HD Cinema Display, so we're not complaining.

Installing this DVI monitor is easy on a DVI-connected Mac. To connect to an ADC-connected Mac, just use an adapter—you'll also gain two USB ports in the bargain.—*Narasu Rebbapragada*



We'd prefer a billion dollars, but the LL-T1820's billions-of-colors LCD isn't too shabby.

COMPANY: Sharp Systems of America
CONTACT: 800-237-4277, www.sharpelectronics.com

PRICE: \$1,199 (SRP)
REQUIREMENTS: Mac OS 8.6 or later

GOOD NEWS: Great color. Small footprint.
BAD NEWS: Pricey.

MacAddict RATED
GREAT

The HotList

The best of the best from recent reviews. If the editors of *MacAddict* went shopping, this is what we'd buy.

Software

Audio

Emagic Logic Audio Silver 4.7.3

\$199.95 (street)
Apr/02, p62
New to digital audio?
Here is where you should start.

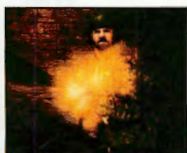
Games

Aspyr Otto Matic

\$34.95 (SRP)
May/02, p63
He's cute. He's fun. He's here to save the world.

Aspyr Return to Castle Wolfenstein

\$49.95 (SRP)
Aug/02, p42
What's more satisfying than killing zombie Nazis?



Bold by Destineer Age of Empires II: Gold Edition

\$49.99 (SRP)
Mar/02, p48
Defend civilization against the invading hordes.

Graphic Simulations Black and White

\$50 (SRP)
Jun/02, p54
The battle between good and evil can be a blast.

MacPlay Icewind Dale

\$49.99 (SRP)
Aug/02, p51
Beautifully rendered RPG offers deep gameplay.

Graphics & Layout

Adobe GoLive 6.0

\$399 (SRP), \$99 upgrade
Aug/02, p39
Adobe's Web-site builder picks up new features.

Adobe InDesign 2.0

\$699 (SRP)
May/02, p50
Look out, Quark—Adobe's rival layout tool kicks ass.

Adobe Illustrator 10

\$399 (SRP)
Mar/02, p44
Killer vector-graphics app continues to improve.

Adobe Photoshop 7

\$600 (street)
Jul/02, p46
Picture-perfect pixel-pusher moves to OS X.



Deneba Canvas 8

\$399 (SRP)
Apr/02, p42
If you can only buy one graphics app, this is it.

Hamrick Software VueScan

\$40 (SRP)
Jul/02, p55
Get more out of your scanner with this driver.

Macromedia Flash MX

\$499 (SRP)
Jul/02, p51
It started in animation; now it can do anything.

Productivity & Utilities

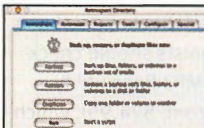
Casady & Greene Conflict Catcher 9

\$69.99 (SRP)
Jun/02, p52
Gain control of everything in OS 9's System folder.



Dantz Retrospect 5.0

\$79 to \$499 (SRP)
Aug/02, p50
Indispensible back-up software goes Mac OS X.



Thursby Software Systems DAVE

\$149 (SRP)
Mar/02, p53
OS X's Wintel support is good, but DAVE's is better.

Video & Animation

Adobe After Effects 5.5

\$649 (SRP)
May/02, p49
This motion-graphics stud improves its 3D powers.

Apple Final Cut Pro 3

\$999 (SRP)
Apr/02, p45
This pro-level video editor is a real-time revelation.

Discreet Combustion 2

\$4,999 (SRP)
Jun/02, p46
In love with digital video? Go pro with this killer app.



Electric Image

Universe 4.0
\$995 (SRP)
Jun/02, p58
There's a reason why this is the 3D app: It's great.

Hardware

Audio

Digidesign Mbox

\$495 (SRP)
May/02, p59
Bring your recording studio with you on the road.



Emagic emi 2|6

\$499 (SRP)
Apr/02, p63
Sexy, fun-to-use, pro-level USB audio interface.

Digital Cameras

Olympus Camedia D-40 Zoom

\$599 (street)
Mar/02, p56
How do 4 megapixels fit in a camera this compact?

Olympus E-20N

\$1,999 (SRP)
Aug/02, p43
If you know what you're doing, this one can do it.



Displays

Apple Cinema HD Display

\$3,499 (SRP)
Aug/02, p40
This 23-inch, 1,920-by-1,200-pixel beauty inspires lust.



Formac gallery 1740

\$899 (SRP)
Mar/02, p49
This advanced-technology LCD display comes cheap.

Formac ProNitron 22800

\$699 (SRP)
Apr/02, p47
Huge but affordable, this CRT monitor looks great.

Printers

Brother HL-1870N

\$699 (SRP)
Aug/02, p45
This 19-ppm, networkable laser printer works great.



Epson Stylus Color C60

\$79 (SRP)
Jun/02, p48
Color, convenience, class—this inkjet's got it.

Samsung ML-1210

\$199 (SRP)
Jun/02, p53
At this low price, anyone can afford a laser printer.

Storage

CMS Peripheral ABS Plus

\$237 to \$799 (SRP)
May/02, p59
Hate to back up? With this baby, it's almost fun.

EZQuest Cobra Slim 60GB FireWire Hard Drive

\$629 (SRP)
Jul/02, p56
This gorgeous drive proves even storage can be sexy.

MCE Technologies Lucid

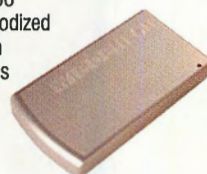
\$299 (SRP)
May/02, p60
This portable CD-RW has FireWire, looks great.

TDK veloCD

\$315.99 (SRP), \$275 (street)
Jul/02, p54
This FireWire-equipped CD-RW drive is freaky fast.

WiebeTech MicroGB 40GB FireWire Hard Drive

\$399.95, bare case \$159.95 (SRP)
Jul/02, p56
A cool anodized aluminum case holds speedy innards.



Systems

Apple 800MHz PowerBook G4

\$3,199 (SRP)
Aug/02, p38
The world's best laptop just got even better.

Handspring Treo 180

\$599 (SRP), \$399 with service
Aug/02, p44
It's a cell phone, a PDA, and undeniably cool.

58 HOW TO

because inquiring minds have the right to be inspired

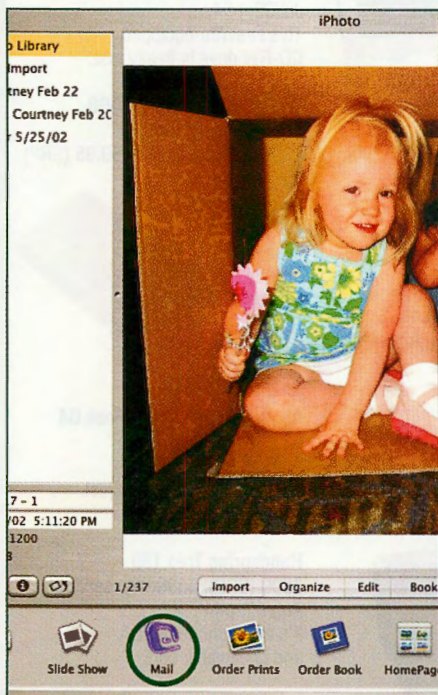
GOT A QUESTION?
NEED ADVICE?

**ask
us** WE CAN HELP.

iPHOTO CHEATS ON APPLE MAIL

How can I use iPhoto to email pictures to my friends if I don't use Apple's Mail program?

Through a fancy embedded AppleScript, iPhoto 1.1.1 uses Apple's Mail application to let you email pictures directly from iPhoto. Even if you don't use Apple Mail to send email, you can still email from iPhoto, thanks to Simon Jacquier's iPhoto Mailer Patcher (free, <http://homepage.mac.com/jacksim/software>). This handy little patcher will fix iPhoto so it can send pictures using just about any email program. It also changes the Apple Mail icon in iPhoto to match your email client of choice.

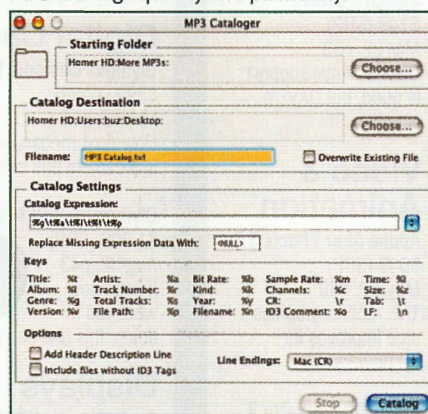


iPhoto Mailer Patch lets us email pictures using Microsoft Entourage.

MANAGING YOUR MP3S

What is the best way to catalog all my MP3s in a text file?

The easiest way is to use iTunes. Select your Library and choose Export Song List from the Advanced menu. This action creates a delimited text file with all the information about your MP3s by using their standard ID3 tag information. You can then import or open this file as a spreadsheet or database. However, true perfectionists should check out Chaotic Software's MP3 Rage utility (www.chaoticsoftware.com, \$24.95), which finds, catalogs, organizes, and changes MP3 ID3 tags quickly and painlessly.

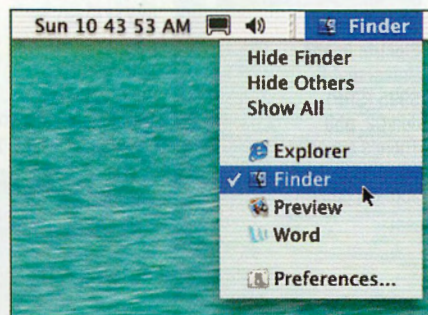


Despite its name, the MP3 Rage interface is the most serene way to deal with your MP3 information.

I WANT MY APP MENU

I miss the application menu from Mac OS 9. Can I get it back in Mac OS X?

In previous versions of the Mac OS, the application menu on the top right of the screen let you switch easily between applications. Well, you can relive the dream in Mac OS X, thanks to Frank Verdues's little ASM (Application Switcher Menu) program (free, <http://asm.verdues.de>), which brings the application menu to your Mac OS X menu bar.

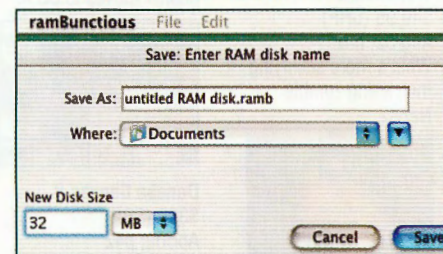


Verdues's ASM freeware is for old dogs who like their old tricks.

RAMBUNCTIOUS RAM DISKS

How do you create a RAM disk in Mac OS X?

In the pre-Mac OS X days, Mac users used system RAM as virtual hard disk space, called a RAM disk. When used judiciously, this little trick could make certain functions, like browser-cache storage, fly. We're not fans of RAM disks because they tend to blur the difference between RAM and hard disk storage memory. Also, G3 and G4 processors, in conjunction with Mac OS X's memory management, pretty much eliminate the need for a RAM disk. If you insist on using RAM disks in Mac OS X, you can create them with Clarkwood Software's RamBunctious (\$25, www.clarkwoodsoftware.com).

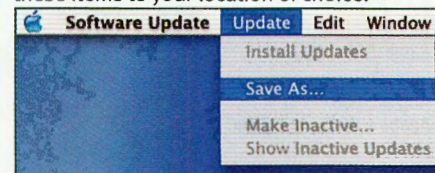


If you're a rambunctious curmudgeon who still wants to create RAM disks, this one's for you.

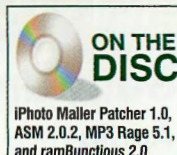
SAVING SOFTWARE UPDATES

How can I save the updates in Mac OS X's Software Update feature?

For an Internet-connected Mac, installing software updates with Mac OS X's Software Update system preference is a breeze. But what if you need to install those updates on another computer that isn't connected to the Net? Or what if you just want a backup of the updates? Using a somewhat out-of-the-way feature of Software Update, you can save the software updates themselves on your hard drive or on a disc. First, run the updates you want to install. Next, before quitting the Software Update application, highlight the list items you want to save. Finally, select Save As from the Update menu to save all these items to your location of choice.



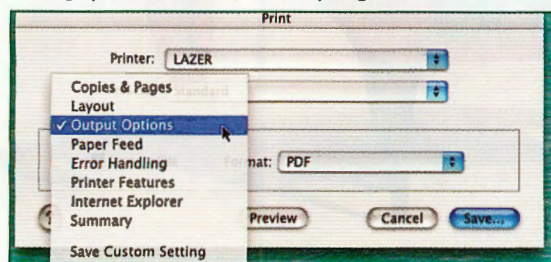
For the Internet challenged or backup frenetic, here's how to store Apple's software updates locally.



ACROBAT GETS THE AQUA SLIP

How do you create a PDF file in Mac OS X?

Mac OS X lets you create a PDF from any native Mac OS X application. Just select Print from the File menu of the application where you want to create the PDF file. From the pop-up menu on the left, choose Output Options. (Make sure there's at least one printer in your Printer List.) Click Save File and choose the PDF format. Click the Save button. There you have it—you just created a PDF file. Of course, Mac OS X's native PDF support doesn't have all the professional bells and whistles of Adobe's professional product, but for the average consumer looking to print and send photos and other graphic documents, it works just great.



Adobe's Acrobat can just tumble on out. You no longer need it to create basic PDF documents.

MAXIMUM DRIVE

What is the biggest hard drive I can put in my Mac?

It depends on what type of Mac you have. The operating system itself, whether it's Mac OS 9 or Mac OS X, doesn't care. It supports more gigabytes than you will likely ever put in your computer. The limitation lies in your Mac's IDE or ATA interface. All iMacs, for example, contain an ATA/66 bus, which can't see more than 128GB. Therefore, if you install a new drive bigger than 128GB in an iMac, only 128GB will be available. Power Mac G4s also have this ATA/66 limitation, but since they have PCI slots for expansion, you can work around the problem. By adding an ATA/133-capable IDE PCI card to your G4, for example, you can bypass the 128GB limit, since ATA133 recognizes drive sizes larger than 128GB. For more information about available IDE cards for your Mac, check the amazing Accelerate Your Mac (www.xlr8yourmac.com) Web site.

THE CONSOLATION PRIZE

What's the Mac OS X Console?

The Console application (located your Applications Utilities folder) monitors your System's main log file in real-time and keeps track of important system events like driver loading and disk mounting. It writes them to a text file called system.log (located in the /private/var/log/ directory), which you can open and monitor using the Console.

Submit technical questions or helpful tips directly via email (askus@macaddict.com) or c/o MacAddict, 150 North Hill Dr., Brisbane, CA 94005.

With six years of tech support under his belt, there's nothing Buz Zoller can't fix.

This Month

60 Solve Graphic Dilemmas Quickly

Here are eight quick two-step tips that'll put an end to some of your most-pressing graphics woes.



66 Slim Down Graphics with DeBabelizer

We show you how to slim fat files and provide you with a copy of DeBabelizer LE 3 (on the Disc) to help.



68 Broadcast Your Own Show on the Web

Learn how to air your own show on the Web using Apple's newest multimedia app, QuickTime Broadcaster.

PHOTOGRAPH BY MARK MADON
1971 JVC VIDEO ORB COURTESY OF W. B. JONES

Difficulty Ratings



No whining—
anyone can
do this!



It'll take some
effort, but you
can do it.



This stuff's
for the pros.

How To Read Our How-Tos

A MacAddict 101 Manual

Advice is only helpful if you understand what your adviser is saying (and if you don't secretly want to strangle the person doling it out). Likewise, we can't expect you to plow through our tutorials unless you understand what we're instructing you to do. For those who need a little help deciphering our more indirect directives, we've compiled a list of our commonly used commands and their translations to help you understand the directions in our how-tos and conquer each project successfully.

Example

Translation

Select the Unsharp Mask (Filter > Sharpen > Unsharp Mask).

Select the Unsharp Mask: From the Filter menu, select Sharpen, then Unsharp Mask.

Press Delete, press Return, press S, and so forth.

On your Mac keyboard, press the mentioned key.

Click Delete, click OK, click Save, and so on.

Use your mouse to click the mentioned button onscreen.

Control-click the apple logo, Shift-click each file name in the list, and so forth.

While holding down the keyboard key mentioned, use your mouse to click the designated item.

Copy the image (Command-C), paste it into a new layer (Command-V), and save your file (Command-S).

Press both the Command key on your keyboard (the ⌘ key) and the referenced key to carry out the task.

Solve Graphics Dilemmas Quickly



Photoshop 6 tryout and
GraphicConverter 4.4

The road to the great land of ahs in the graphics world needn't require participation in a 12-step software program. In fact, you can solve many common yet puzzling problems in just a couple of quick steps. Whether you're an industry pro or a digital-camera enthusiast, you can quell everyday panic and churn out stellar work if you

have a few graphics tricks up your sleeve.

For the career photographer or design professional, we've compiled four Photoshop tricks that'll ensure top-notch results. And for you impoverished college students or graphic hobbyists, we've got four GraphicConverter tricks that'll help put an end to certain graphics woes.

Keep the Shadows, Lose the Background

by Leigh Webber



WHAT YOU NEED

- Photoshop 5 or later
- Photo of an object with a pronounced shadow

In product photography, getting rid of the original background in favor of a clean, white backdrop is standard practice. However, if you eliminate the natural shadows, the object looks like it's floating in space. Here's a nifty trick that removes the background and retains the shadows to keep your product grounded.



Don't leave your subjects floating in space against new backdrops; keep their cool-looking shadows in place.

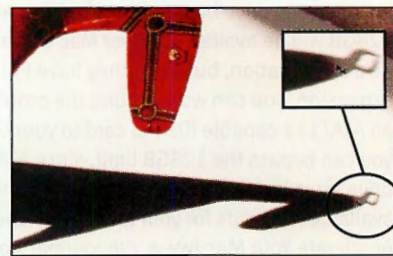
1 Bye-Bye, Background Open your photo in Photoshop, select the entire image (Command-A), copy it (Command-C), and paste in two copies (Command-V) so you have three layers. Highlight the top layer, select any pen tool, and create a path around the object. Turn the path into a 1-pixel feathered selection (see "Create Natural-Looking Cutouts," p61), select Inverse from the Select menu, and press Delete to get rid of the background.

To isolate a subject from its background, create a path, using the pen tool.



2 Hello, Shadow In the Layers palette, select the middle layer, choose white as the foreground color, select Fill from the Edit menu, and click OK in the resulting dialog to turn the middle layer white. Reduce the layer's opacity to 40 percent so it reveals the original shadow from the bottom layer. Select the eraser, choose an appropriate brush size, and erase all areas over the shadow. Bring layer opacity back to 100 percent. Then select the bottom layer, choose a large airbrush with Pressure of 10 percent, and paint over the shadow to lessen its intensity and add natural falloff.

After making the white background partially transparent, we erased the area over the shadow that peeked through from below.



Prevent Color Shifts in Black or White Objects

by Leigh Webber



WHAT YOU NEED

- Photoshop 5 or later
- A digital image with black or white objects

How many times have you ordered an item out of a catalog, only to find when it arrives in the mail that it's a totally different color than what appeared in the picture? For us, that's happened one time too many. When you send digital files to print service bureaus (who use a four-color CMYK printing process), sometimes black objects in an image like our black handbag can shift to magenta or cyan when printed. Here's a trick to keep blacks black, whites white, and neutrals exactly that—neutral.



If you want to ensure that black or white products don't shift color in print, here's one way to make it so.

Create Natural-Looking Cutouts

by Leigh Webber



WHAT YOU NEED

- Photoshop 5 or later
- A digital image of any subject

Seeing isn't always believing—especially when you know Photoshop is tucked away in every graphic designer's pocket. Pros often use paths to isolate objects from backgrounds and build composites. However, if you're not an expert on how to keep clipped objects looking natural, your composite will look fake. If you want to avoid exposing all your seams, here's our trick for keeping it real.

We'll lead you to believe that we shot this musician in a studio against a seamless white background—not!

1 Create a Path Open your photo in Photoshop and use your favorite pen tool (regular, magnetic, or freeform) to create a tight path around the object you wish to clip out. If your subject has intricate details—like our musician's hair—draw a halo around the area for later fixing (see “Clip Hair and Fur Successfully,” p62, for how to remove a background from hair). Click the start point to complete the path.

We used the pen tool to create a path around our model, isolating him from his surroundings—notice the haloed head.



2 Isolate the Subject In the Path palette, click the top right arrow and choose Make Selection from the menu. In the resulting dialog, enter 1 pixel in the Feather Radius field and click OK (enter .5 for small objects or those with detailed edges). Select Inverse from the Select menu. Then choose white as the foreground color, select Fill from the Edit menu, and click OK in the resulting dialog. The background disappears, leaving your subject against a white background.

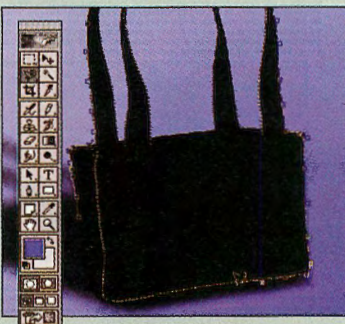
Giving the clipping path a feathered edge eliminates hard edges once you remove the background.



1 Select the Color Victim Open your image in Photoshop and use your favorite selection tool to draw around a black object—we used the magnetic lasso to outline our handbag.

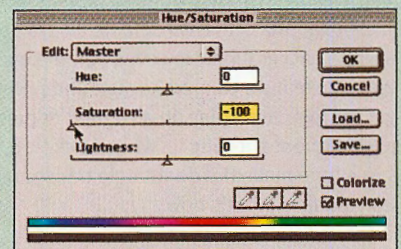
Make sure you isolate the entire object from its background so you don't inadvertently affect background colors.

We used the magnetic lasso tool to outline the bag, making sure to isolate the straps from the background.



2 Desaturate the Specimen Under the Image menu, select Adjust, then Hue/Saturation. In the dialog box, set Saturation to -100 and click OK. Though the onscreen color may change slightly, don't worry—the object still prints as four-color black, but this technique ensures a rich black without making your object turn blueberry. Use the same method for white or gray objects.

Slide the Saturation slider down to -100 to get rid of information that can cause color shifting.



Clip Hair and Fur Successfully

by Kris Fong



WHAT YOU NEED

- Photoshop 5 or later
- A photo of a furry person or animal against a light backdrop

Sometimes Photoshop's just like the beauty salon—when you clip hair, you can end up cutting off more than you bargained for. Separating a model's wispy hair or an animal's fur from its background can be a tedious job. Here's a quick technique for removing a light-colored backdrop from fuzz and fringe. (This works best on dark-haired subjects against light, uncluttered backgrounds.)



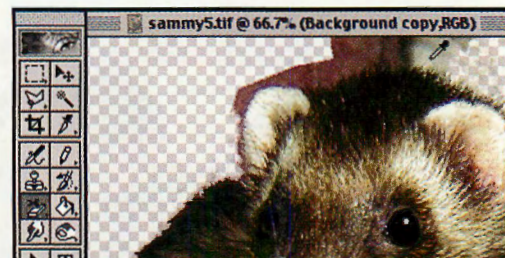
The tedious task of separating hair from its background makes us want to pull ours out; thankfully, this quick shortcut keeps us from going bald.

1 Prep the Pic Open your photo in Photoshop. Cut out models as described in "Create Natural-Looking Cutouts," p61, leaving a halo around the hair (because animals are covered in fur, skip this part). Then drag the Background layer from the Layers palette onto the new-layer icon (the dog-eared page) to make a copy. Click the Background layer's eye icon to turn off visibility. With the copy layer active, select the background eraser tool (the eraser with scissors), choose a medium-size brush, select Contiguous from the Limits drop-down menu, set Tolerance to 10 percent, and select Once from the Sampling drop-down menu.

We've set our background eraser to erase only selections of similarly colored pixels.



2 Excise the Exterior Hold down the Option key (the cursor turns into an eyedropper) and click a background area to sample that color. Let go of the key and start erasing; all pixels similar in hue to the sampled color disappear, leaving the hair or fur intact (as long as its coloring isn't similar to the sample; lower the tolerance if it is). Keep sampling areas and erasing the background, changing brush sizes as needed, until your model or furry friend is background free.



Hold down the Option key to sample the background color you're erasing; this leaves all dissimilar colors unscathed.

Make Parts of a Graphic Invisible

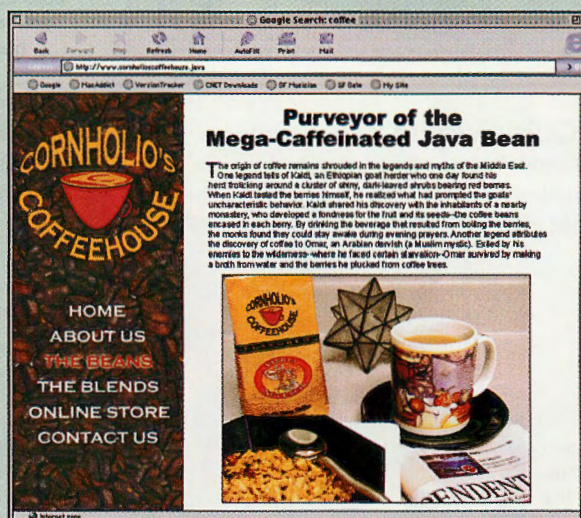
by Leigh Webber



WHAT YOU NEED

- GraphicConverter
- Any graphic with a clean background

Invision creating a donut-shaped logo for Sammy's Sugar Shack that by default always appears against a white background. However, some pages of Sammy's Web site feature colored backgrounds. How can you get the logo to display on a colored or patterned Web page without showing its white backdrop, and at the same time make the donut hole transparent? With transparency, that's how.



Once we turn the white background of our cup logo transparent, we can display it seamlessly over any Web page background.

Create Faster-Loading Web Pics

by Leigh Webber

EASY

WHAT YOU NEED

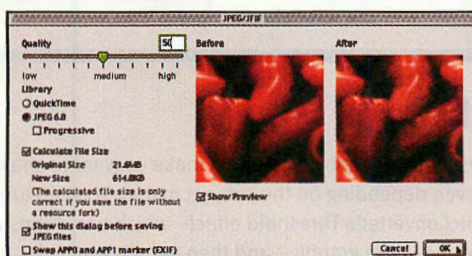
- GraphicConverter
- Any digital photo

Just because *you* have a broadband connection doesn't mean you can assume everyone else does, so don't punish your site's visitors by feeding them beefy photos that keep them waiting. While you probably understand the importance of sizing down images and compressing them for Web display, you can display larger-size images and get them to download faster by slicing them. Here's how.

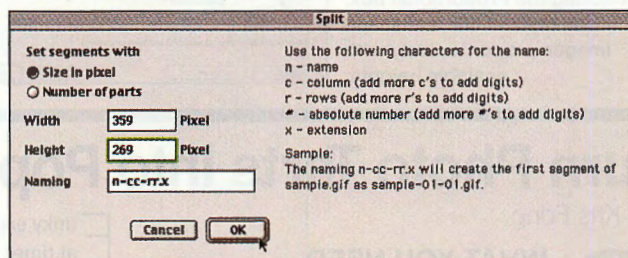
If you insist that bigger is better, deploy this slice-and-dice trick to make large Web photos load faster.

1 Crunch It Down Open your photo in GraphicConverter. From the File menu, select Save As to open the dialog. From the Format drop-down menu, select JPEG/JFIF. Click Options to open a preview box, then check the Show Preview box to compare before-and-after pics. Check the Calculate File Size box to view the change in file size, then move the Quality slider to alter compression. When you reach a good compromise between image quality and file size, click OK to return to the Save As dialog.

GraphicConverter lets you eyeball how much JPEG compression affects your image.



2 Slice It Up Slicing a big image into smaller pieces can help it load faster on the Web. Check Split to open the dialog, which lets you create slices by entering exact pixel dimensions (select Size In Pixel) or a number of parts in rows and columns (select Number Of Parts). How you decide to slice your image is up to you; we sliced our 359-by-538-pixel image into two equal 359-by-269-pixel slices. Click OK, then click Save.



Split midsize images in half using pixel measurements, and divide larger images into multiple parts for speedier downloads.

1 Make Your Graphic Web-Ready Open your logo or graphic in GraphicConverter. If your graphic isn't already a 256-color GIF, from the Picture menu, select Colors, then Change To 256 Colors (8 Bit) to scale down the colors. Save your graphic as a GIF, then double-click the transparency tool (this looks like a magic wand with a square tip).

Convert your graphic into a 256-color GIF for proper Web display.



2 Make It Vanish In the Transparent dialog, check the Display Desktop Pattern For Transparency box and click Set Back Color. Click your graphic's background (the cursor will turn into an eyedropper) to sample the color, check the Make Color Transparent box to make the background color transparent, and click OK. (This also makes the white area inside our cup's handle invisible.) Then save the file as a GIF89a or PNG file to preserve the transparency.

GraphicConverter can make any color transparent; choose a swatch or define a color with the eyedropper.



Resize Multiple Images in One Action

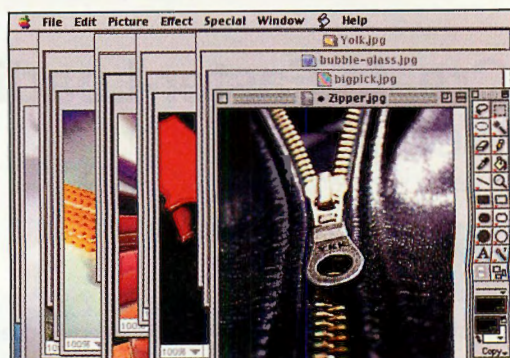
by Kris Fong



WHAT YOU NEED

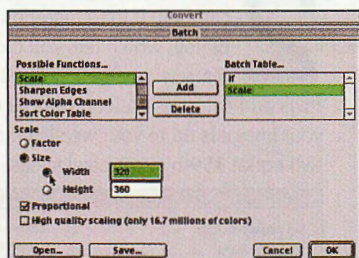
- GraphicConverter (full version)
- A buttload of graphics

Maybe you design Web sites, catalogs, or similar items that require constant resizing of a gazillion images; don't waste time resizing each one individually. GraphicConverter allows you to batch-process graphics to complete the task in one fell swoop regardless of the images' orientation and height-to-width size ratio.



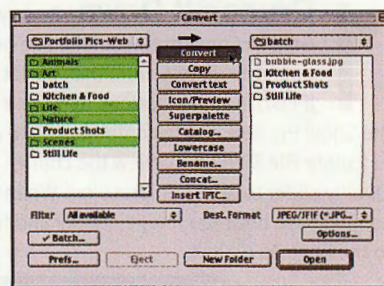
GraphicConverter's Batch feature lets you zip through processing images lightning fast.

1 Set Landscape Conditionals Launch GraphicConverter. From the File menu, select Convert, then click Batch to open the Batch dialog. Under Possible Functions, select If and click Add to add it to the Batch Table. Check the bottom Process Picture Only If box and choose Landscape. Then, under Possible Functions, select Scale and click Add. Select the Size button and Width button; check the Proportional box; uncheck the High Quality Scaling box; and enter a width (we typed 320) in the Width field (leave Height as is—not enabled). This command resizes our landscape images with a 320-pixel width while retaining their proportions.



By enabling Width and checking the Proportional box, we resized our landscape images proportionately with scalable heights.

2 Set Portrait Conditionals From Possible Functions, select Else, click Add, select Scale from Possible Functions, and click Add again. Select the Size button and Height button; check the Proportional box; uncheck the High Quality Scaling box; and enter a height in the Height field (we typed 320). Then press OK to display the Convert dialog. In the left column, navigate to and select the folder of images you wish to resize, designate a destination folder in the right column, click Convert, and let 'er rip.



To select multiple folders, hold down the Command key and click folders in the left column.

Turn Photo Tarts into Pop Art

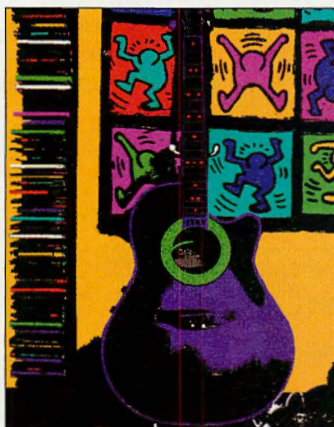
by Kris Fong



WHAT YOU NEED

- GraphicConverter
- A crappy digital image

Funky exposures and digital noise crappola make us want to strangle our camera at times. However, depending on the subject matter, you can turn a bad shot into cool art with GraphicConverter's Threshold effect—which transforms a color pic into a high-contrast black-and-white graphic—and then paint it with color. Here's how.



From noisy mess to digital bliss: The Threshold filter turned our noise-riddled photo into this artsy graphic Warhol would've appreciated.

1 Go Black and White Open your image in GraphicConverter. From the Effect menu, select Threshold. In the dialog, use the bottom slider to alter the effect's intensity. When satisfied, click OK to convert the image to black and white. Convert the image back to RGB color by selecting Colors from the Picture menu, and then Change To 32768 Colors (16 Bit).



We turned up the Threshold effect in our jaundiced photo to emphasize bold lines for easier coloring later.

2 Paint Between the Lines Click the foreground color swatch to open the color picker, choose a color, and click OK. Then select either the pencil (for precision control) or the paint bucket (to dump color in a section) and apply color to your image. Paint as much or as little as you like, and then save your new painting.

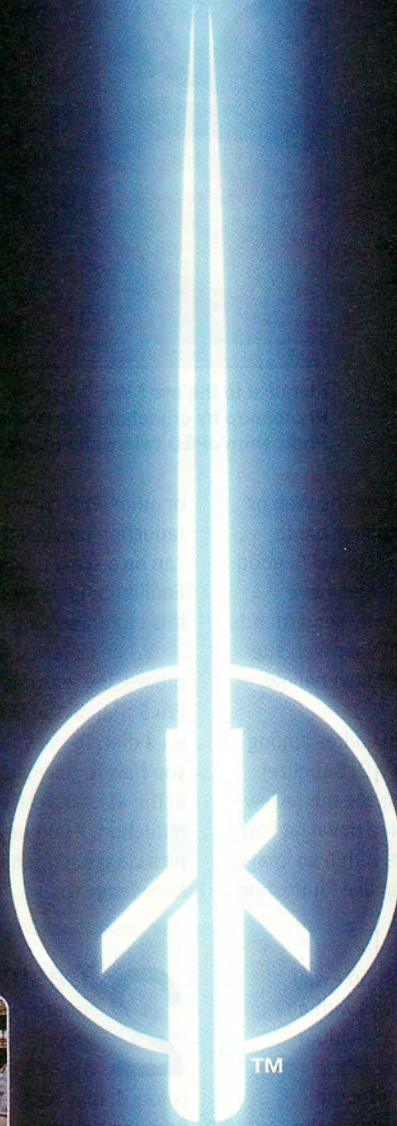


Use the paint bucket to fill a section quickly with color or the pencil to paint in fine detail.

Photographer Leigh Webber learned many tricks from digital photography studios.

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JEDI KNIGHT® II: JEDI OUTCAST™

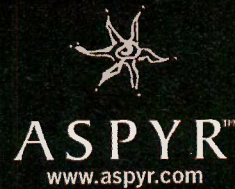


Violence



www.starwars.com

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Slim Down Graphics with DeBabelizer

by Kris Fong



WHAT YOU NEED

- DeBabelizer LE 3 (on the Disc)
- Go Away Bugger.gif (on the Disc)

When it comes to viewing gratuitous graphics on the Web or waiting for your dawdling email transfer progress bar to finish up (and finally proclaim "You've got pictures!"), good things come in small packages. While most Web designers have abided by this rule for years, those of you who constantly send friends bloated images via email or post the monstrosities on your Web site need to either learn the art of downsizing graphics or forever allow friends to secretly loathe you.



Free, full version of DeBabelizer LE 3; DeBabelizer Pro 5 trial; and our MacAddict DeBabelizer Tutorial

One of the best crunch-time favorites among Web design gurus is Equilibrium's DeBabelizer (\$699.95, www.equilibrium.com; see our review on p50). DeBabelizer works to slim down fat files by reducing the number of colors within an image and compressing graphics. But unlike Photoshop



Identical to the eye? Yes. Identical download times? No way. DeBabelizer smokes Photoshop by crunching this photo down to almost one-third the size of its Photoshop JPEG twin while using the same image-quality settings.

or other JPEG compressors, DeBabelizer gives you full control over the reduction process to retain optimum quality. Because DeBabelizer Pro can be a scary monster to the uninitiated (it's extremely complex), Equilibrium released DeBabelizer LE (\$99.95) for the consumer, and this month we've got the free, full program for you on the Disc.

While LE lacks, among other things, the time-cutting batch-processing features of its stockier sibling (check out the DeBabelizer Pro 5 trial on the Disc), it has everything you need to put chunky files on a diet. To get you started on enjoying the app's benefits, we show you how to downsize a 136KB GIF image (find Go Away Bugger.gif in the MacAddict DeBabelizer Tutorial folder on the Disc) via color reduction. If you have friends and family who complain about your pics clogging up their modem lines, do them a favor and put this knowledge to use.

1 Scale Down the Graphic Open Go Away Bugger.gif in DeBabelizer LE; the image displays with an attached 256-color palette that contains the individual colors. Because the image is large for Web use (it's 8 inches by a little less than 5 inches), scale it down. Under the Image menu, select Scale, then Specify. In the dialog, check the Preview box and select Inches from the Scale drop-down menu. Select Fit Into Width (Auto-Set Height) from the Action drop-down menu, type 6 into the Width field, and click OK.

Use the Scale function to scale an image by percentage or to a certain size.

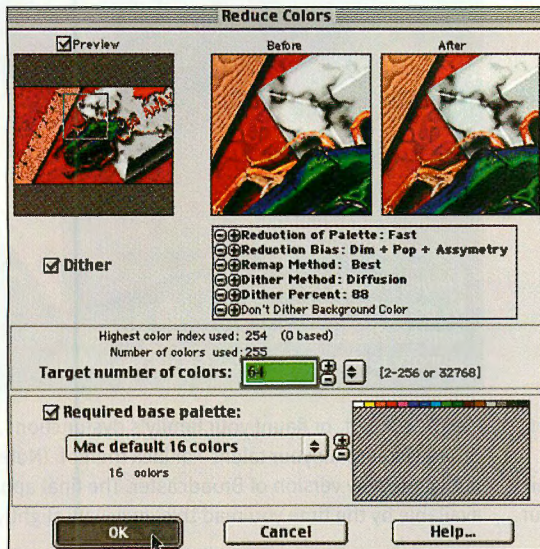


2 Trash the Extras A GIF image can contain any number of colors, depending on its complexity. The bug graphic is currently displayed at 256 colors; however, this doesn't necessarily mean that the image contains 256 unique colors. It may have redundancies. To get rid of these or unused colors from the palette, select Remove Colors from the Palette menu, then Remove Unused & Duplicates. This can shave off a lot of colors in some images; in our case, our bug was spared one color. One trashed color does not a slim file make, however, so you'll have to get rid of more.

Trashing unused colors is a quick way to trim file sizes if your graphic doesn't use the full 256-color palette.

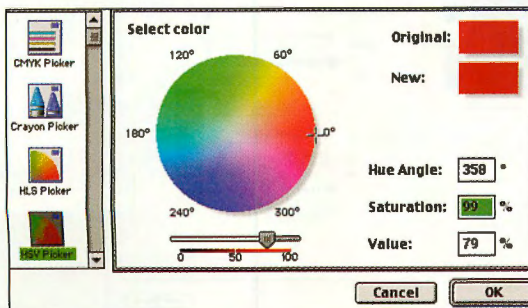


3 Reduce Colors From the Palette menu, select Reduce Colors. In the dialog that appears, check the Preview box and in the left preview screen, drag the view square onto the bug's head to zoom in on its details. Check the Dither box (this allows DeBabelizer to place color pixels in a pattern to simulate colors). In the Target Number Of Colors field, type a number under 255 (the current number of colors) and view the After screen to preview. Check the Required Base Palette box and select Mac Default 16 Colors from the drop-down menu to enforce these colors in the palette (good for bold-colored graphics). Shoot for the smallest number of colors while retaining the color integrity. Try different numbers, and move the view box around to other parts of the image. When you're done test-driving, type 64 (the number we felt kept the image color intact), and click OK.



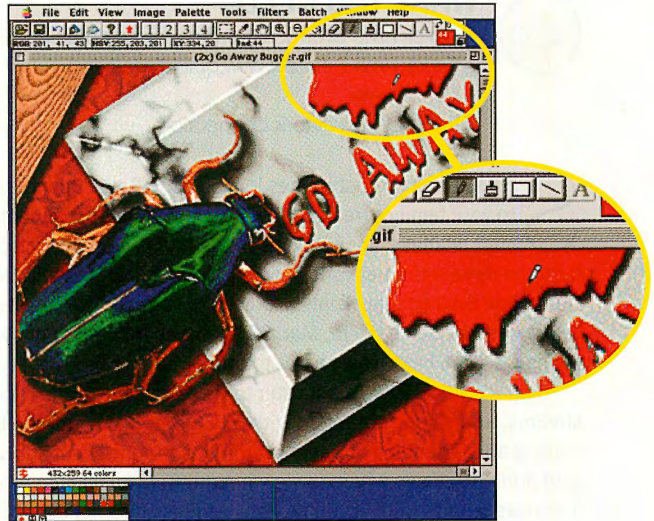
By reducing the palette to 64 colors, we sacrifice image quality (losing gradients) for faster downloads.

5 Color Correct Reducing colors also made our red paint turn pinkish. No worries; you can edit the individual colors in the palette. Zoom out of the image, select the eyedropper, click the red paint, and note its swatch placement in the color palette (it'll highlight once you move the eyedropper over the color). Then double-click the swatch to open the color picker. Select a truer red and click OK. All pixels that displayed the original red will change color. Inspect the graphic to make sure the color change didn't adversely affect areas beyond the paint spill (changing a palette color affects every pixel that shares that color).



To change a color in the color palette, double-click a swatch and choose a new color in the color picker.

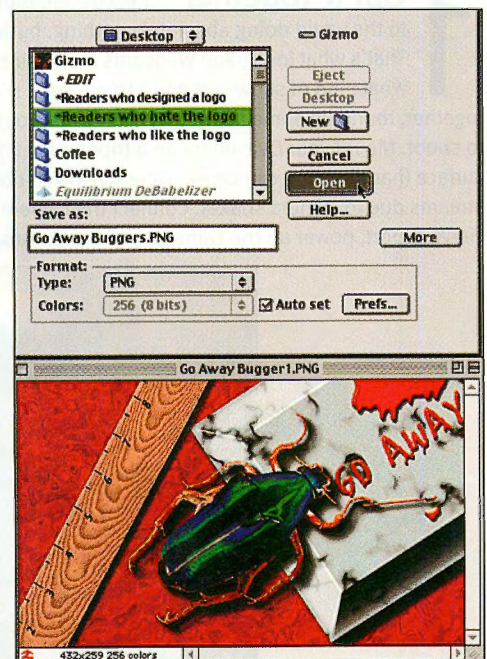
4 Fix the Faults From the Palette menu, select Remove Colors, then Remove Unused & Duplicates to once again get rid of any unused color (buh-bye purple). With only 63 colors, DeBabelizer dithers colors to simulate gradients and reproduce absent colors (note the tiny dots). The dithering in the paint spill on the top right bothered us, so we cleaned it up. Click the zoom-in tool (the magnifying glass with the plus (+) sign), and click the image to enlarge it. Select the eyedropper and sample a red paint area near the whitish dots in the spill. Then select the pencil tool and paint over the scattered white dots, but leave the left highlight intact.



We're not crazy about how DeBab dithered highlights in the paint spill. No prob; it's an easy fix.

6 Save Your Work Normally we'd save our GIF as a GIF in the end, but since LE won't let you save files as GIFs (upgrade to Pro 5 to get this option), save the graphic as a PNG (portable network graphics) file. Click the save button (the floppy disk icon), and in the dialog that appears, select PNG from the Type drop-down menu, choose where you want to save the file, and click Save. Your newly trim file should now measure a scant 52KB.

DeBabelizer LE won't let you save files as GIFs, so save your work as either PNG or BMP Web-compatible files.



Though Web gurus praise DeBabelizer's batch capabilities for big-time crunches, Senior Editor Kris Fong still prefers Nestle.

Broadcast Your Own Show on the Web

by Kris Fong



WHAT YOU NEED

- QuickTime Broadcaster (free, www.apple.com)
- QuickTime 6 (free, www.quicktime.com)
- DV camera
- Internet or network connection

So you think the Osbournes look like the Brady Bunch compared to your family's freakish tomfoolery? Rather than videotape your relatives' shenanigans in the hopes of getting discovered by some three-letter network, why not air the show yourself? With QuickTime Broadcaster, Apple's latest free (yes, *free*) iApp, anyone with a digital-video camera, Mac OS X, and an Internet or network connection can broadcast shows to office-chair potatoes everywhere.

Built for Mac OS X, Broadcaster turns DV camera feeds into video streams, and comes equipped with MPEG-4 encoding for the best-looking and -sounding streams ever; just announce your show and let your audience know where to view it. Whether you want to broadcast live news reports (nifty if you've got a wireless Internet connection), air your own scripted drama, give desktop viewers a front-row seat to your

1 Get It Together Sure, you can broadcast yourself to the world doing absolutely nothing, but why be lame? That's what low-grade Webcams are for. Instead, decide what kind of show you'd like to do, get a script (or the like) together, round up some talent (even if it's just you), and get ready to shoot. Mount your DV camera on a tripod or set it on a stable surface (handholding can cause excessive pixelation in video streams due to camera shake). Connect the camera to your Mac's FireWire port, power up the camera, and fire up Broadcaster.



Do yourself and your audience a favor—mount your DV camera on a tripod to avoid the shakes.

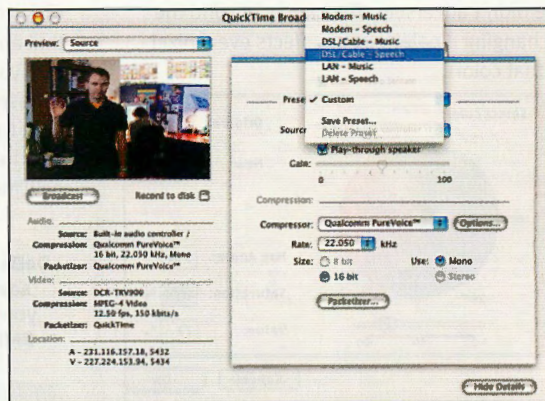


Forget waiting for discovery by some TV-network chimp; with Apple's Broadcaster, you can air your own dirty laundry to the world without a network deal.

PHOTOGRAPH BY MARK MADEO
1971 JVC VIDEO ORB COURTESY OF W.B. JONES

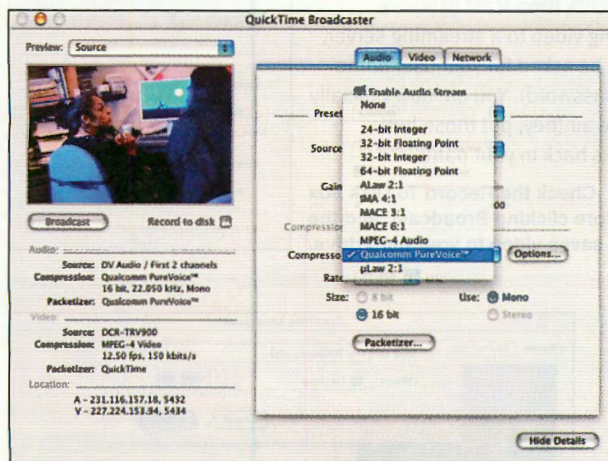
band's concert, or flaunt your family's dysfunctions, here's how to use Broadcaster to air your talent—or lack thereof. (Note: We used Apple's public preview version of Broadcaster. The final app, which should be available by the time you read this, may vary slightly.)

2 Select the Sound Stream The Broadcaster window opens, displaying your DV camera's view. Click Show Details to expand the window and show the settings. Click the Audio tab to view the sound settings, and check the Enable Audio Stream box. From the Preset drop-down menu, choose a bandwidth-and-audio preset for your broadcast. For example, if your show consists mainly of dialogue, select a bandwidth (Modem, DSL/Cable, or LAN) and Speech combo that fits your target audience. Likewise, if you're broadcasting music, select a proper Music preset. Since our reality show is intended for broadband viewers (sorry, modem pokeys), we chose DSL/Cable - Speech.



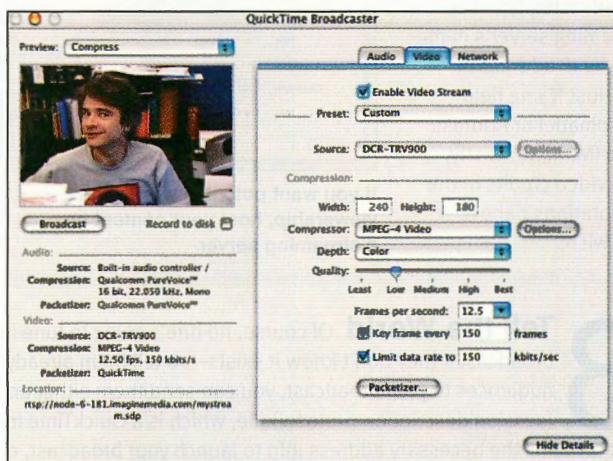
Broadcaster includes a few audio presets, optimized for different bandwidths.

3 Get Sound In Broadcaster assigns a default audio codec based on your speech or music choice, compressing speech with Qualcomm PureVoice and music with MPEG-4 Audio. Feel free to change the compressor and settings if you know what you're doing. Then, from the Source drop-down menu, choose your audio input device—this should be your DV camera, unless you want to connect an external mic to your Mac or have sound coming from a different source. We chose DV Audio - First 2 Channels, which brings in sound from our camera's built-in stereo mic (if you're connecting a mic to your camera, choose this same DV Audio option). Check the Play-Through Speaker box to monitor sound on your Mac.



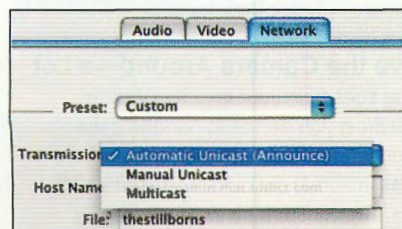
Qualcomm PureVoice is a high-quality codec for dialogue, but if you're streaming music, go for the mighty MPEG-4.

4 Get the Picture Click the Video tab to display the settings, check the Enable Video Stream box, and from the Preset drop-down menu, select the video-stream quality that matches your target bandwidth. Since we assumed there'd be much monkeying around in our show, we chose DSL/Cable - High Motion; Broadcaster whips up default compression (MPEG-4 Video), frame rate, size, data rate, and other settings accordingly. These settings are optimal for most situations, but you can tweak 'em if you have a notion of what you're doing. To preview the compression, select Compress from the Preview pop-up menu.



Selecting Compress from the Preview pop-up menu lets you preview how your video will look with the chosen codec.

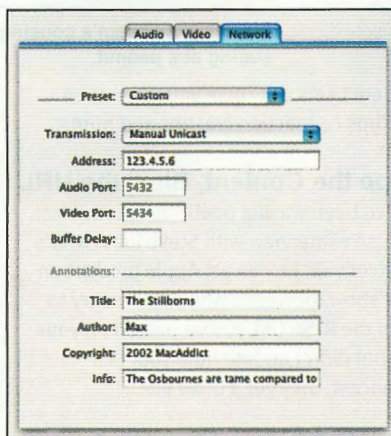
5 Choose Your Transmission Click the Network tab to display the settings. From the Transmission drop-down menu, decide what type of broadcast you want or can transmit. If you don't have access to a streaming server, you can only stream to either one QuickTime Player viewer across any connection (select Manual Unicast) or multiple viewers across a local network (select Multicast). You'll reach the broadest viewership if you have access to a streaming server, which allows multiple, simultaneous connections practically anywhere in the world—select Automatic Unicast or Manual Unicast. Once you choose your transmission type, follow the directions that pertain to your choice in the following step.



Choose the type of transmission that supports your Internet or network access.

6 Fill In the Streaming Details

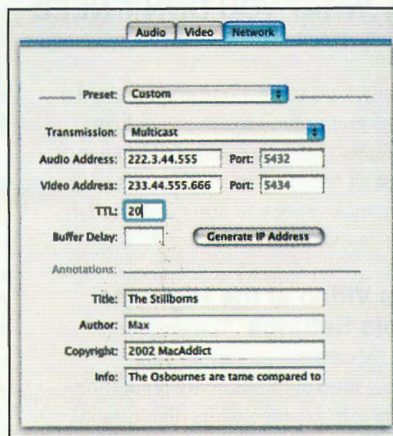
a. One Viewer (Manual Unicast) To send your stream to one viewer—say, a live video greeting to Mommy dearest—type the current IP address of your recipient in the Address field. Type movie credits in the Annotations pane if you wish, and then move on to the next step.



If you don't have a streaming server and aren't on a network, you can stream to one viewer via Manual Unicast.

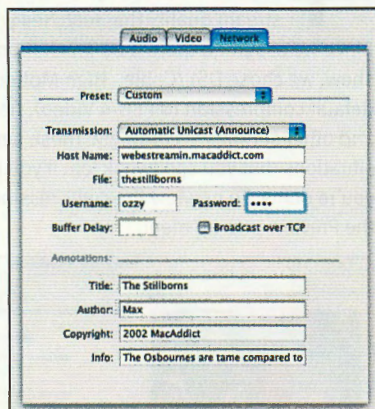
b. Multiple Networked Viewers (Multicast)

If your network supports multicasting (ask your IT guy or gal), click Generate IP Address, and Broadcaster will create the addresses for you. In the TTL (time to live) field, enter a number to control how widely your show is broadcast across the network (the number refers to how many network hops your broadcast can make; the default is 15). Type any annotations you desire, and move on.



If you don't have a streaming server but are on a local network, stream across your network via Multicast.

► **c. Streamers (Automatic or Manual Unicast)** If you have QuickTime Streaming Server and Broadcaster on the same Mac, Broadcaster automatically sends QTSS the necessary settings info, so you can jump to the next step. If you're working with a streaming server on a different computer, you must set up a user name and password on the streaming server for access. Then, in Broadcaster, type the streaming server's name and/or IP address in the Host Name field (Automatic) or Address field (Manual). Lastly, add video credits in the Annotations pane if you wish.



If you want potential worldwide viewership, host your content on a streaming server.

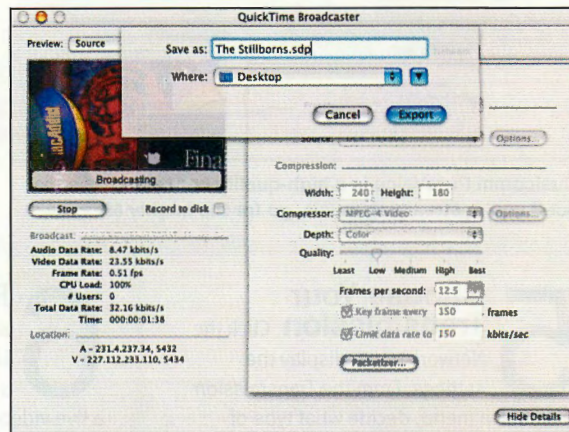
7 Get On the Air One of the cool things about Broadcaster is that it can record your broadcast to hard disk if you want to stream the video from an archive page after the fact (in case folks missed your show or want to watch it again); check the Record To Disk box if you do. Broadcaster will save the movie file in the Movies folder in your user folder (MPEG-4 compressed our video down to an amazingly small 650KB per minute). Then click Broadcast (if you're feeding video to a streaming server, you'll be asked for your user name and password). You are now officially on the air (hey, put those butt cheeks back in your pants!).

Check the Record To Disk box before clicking Broadcast, and the app saves video to your hard drive.



8 Tell the World Of course, no one's going to tune into your broadcast if they don't know it exists—so tell them already! To direct audiences to your broadcast, you can send them either an SDP (session description protocol) file, which is a QuickTime movie file that contains the necessary address info to launch your broadcast, or provide the URL of your streaming server. If you used MPEG-4 to encode, viewers must have QuickTime 6. To create an SDP file, from the File menu, select Export, then SDP. Name the file in the dialog that appears, click Export, and distribute the file (double-clicking it will open your stream in QuickTime Player). To view via an RTSP (Real-Time Streaming Protocol) URL, give your audience the link displayed in the Location pane of the Broadcaster window (it'll look something like `rtsp://myserver.hostname.com/mystream.sdp`), and tell them to launch QuickTime Player, select Open URL In New Player from the File menu, and type or paste in the RTSP URL.

Senior Editor Kris Fong is *bleepin'* ecstatic that she now has a means to air whatever *bleepin'* type of show she wants, "So all those *bleepin'* network censors can kiss my *bleepin'* bleep!"



For instant viewing, create an SDP file that viewers can double-click to launch your stream automatically.

How to Piss Off an Audience

EASY

WHAT YOU DON'T NEED

• Tact

If you really want to be a badass, here are a few things guaranteed to make you lose viewers faster than J.Lo gets rid of husbands. (Of course, if *retaining* an audience is your intention, make sure you don't accomplish anything on this list.)

Stream Video at the Highest Possible Settings You've got the ultimate DV camera, so you set your streaming video at the ultimate resolution and frame rate to preserve its high quality. The constant buffering and video freezes will disgruntle cable and even DSL subscribers.

Modem users will curse you when their 56-Kbps connection crashes and burns.

Hype the Content, Blow the URL

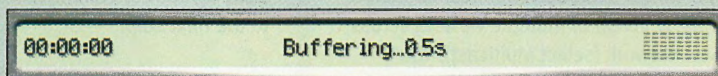
You've been waxing poetic about your live, exclusive interview with Steve Jobs, who's set to unveil the newest Apple product on your show. However, when viewers try to open the RTSP URL you've posted on your site but didn't update from your last broadcast, they get a dead link.

Use MPEG-4 and Tell No One MPEG-4 is *awesome*. Not only can it stream

video that looks almost as good as DVD, it crunches large files into teeny chunks like no other format. So you use it in all your streams without telling visitors they need QuickTime 6 to view your broadcast. Oh, if you could only see their faces...

Move the Camera Around—a Lot

Taking cues from your favorite TV show, *NYPD Blue*, you decide to handhold the camera and do a lot of fast pans, quick zooms in autofocus, and continuous-motion shots. The constant pixelation and jerky frames exasperate viewers. You call it art.



Watching a stream's constant buffering is about as exciting as staring at a peanut.

Beautiful? **Yes.**
Functional? **Very.**
Cool? **Off the charts.**



PowerMate

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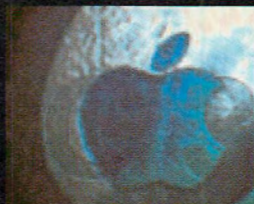
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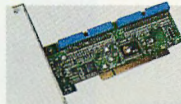
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PC100 CL2 SO-DIMMs



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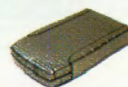
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All OWC Mercury Elite solutions feature:

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Mercury On-The-Go

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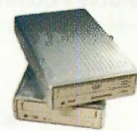
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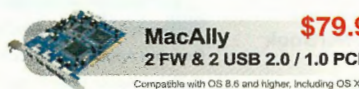


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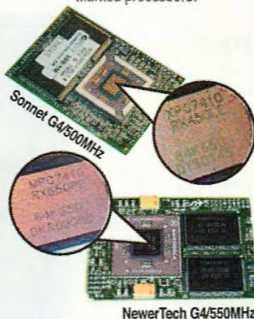


Upgrade your PowerMac 7300/7500/7600/8500/8600/9500/9600; PowerMac Servers; and Compatible Clones to the Power of a fast G3 or G4 Processor and RUN OS X TOO!

Only from OWC, XpostFacto is a FREE software utility that allows Apple OS X to be used on MANY Legacy PowerMac Models. With only THREE EXTRA CLICKS, you can have your Pre-G3 PowerMac up and running with OS X just like the Mac models Apple does support! Check it out - <http://eshop.macsales.com/osxcenter/>



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NewerTech uses Motorola G4 Processors rated for the speed advertised! Beware of some upgrade companies that have used slower marked processors!



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- NVIDIA GeForce4 MX 64MB

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1GHz DUAL

- 512MB RAM; 80GB H.D.
- SuperDrive CD-RW/DVD-R
- Gigabit Ethernet
- AirPort Card Ready
- NVIDIA GeForce4 MX 64MB

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- 667MHz G4 processor
- 15.2" Display
- 256MB Memory
- 30GB Hard Drive
- Combo CD-RW/DVD
- Gigabit Ethernet
- AirPort Card Ready
- ATI Mobility Radeon 7500

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- 15.2" Display
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- 40GB Hard Drive
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- Combo CD-RW/DVD
- 10/100 Ethernet
- AirPort Card Ready
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\$1494.98

#147881

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- 14.1" TFT Display
- 256MB Memory
- 30GB Hard Drive
- Combo CD-RW/DVD
- 10/100 Ethernet
- AirPort Card Ready
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- NVIDIA GeForce2 MX 32MB
- Apple Pro Speakers optional

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- 40GB Hard Drive
- Combo DVD-ROM/CD-RW
- NVIDIA GeForce2 MX 32MB
- Apple Pro Speakers

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#147872

800MHz

- 800MHz G4 processor
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- 256MB Memory
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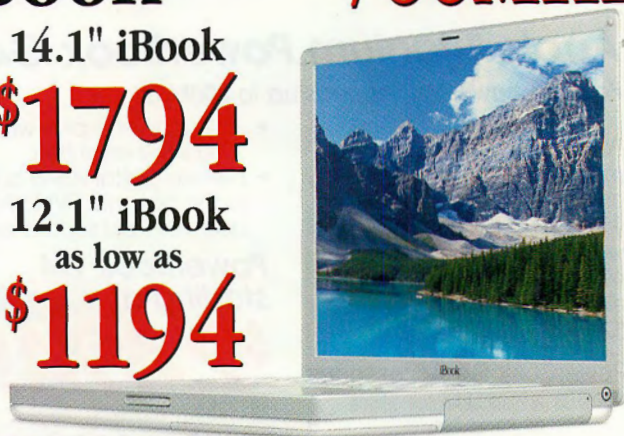
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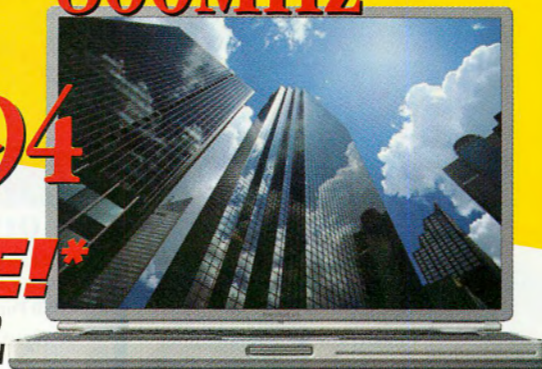
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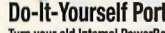
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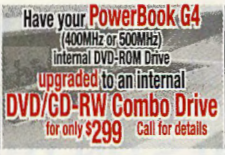
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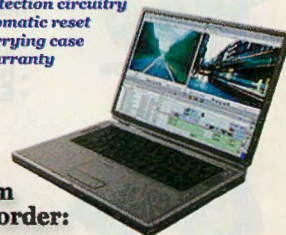


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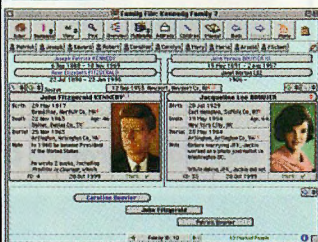
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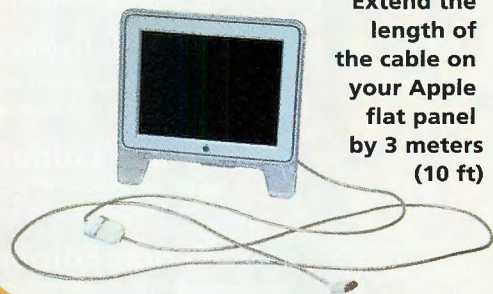
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| Mac*OS 9.0 w/Free 9.1 CD | 89 |

Hardware Specials!

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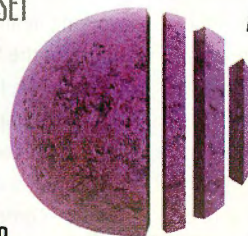
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LETTERS

TITANIUM IS FOREVER

My fiancée and I recently went shopping for wedding bands. I am so nuts about my new PowerBook G4 that I passed on the platinum band and went straight for the titanium one. We were saddened, however, to discover that the Apple Store does not accommodate online wedding registries. Just when I was starting to think there was an upside to all this wedding planning.—*Dustin Hughes*

We hope more people express their love for titanium—not only because it's the right thing to do, but also because it'll break that corrupt DeBeers monopoly on love.—*Max*

STEP AWAY FROM THE MAC

While I was at work, my father-in-law called to say that my G4 tower and new 19-inch monitor had arrived, but they were too large for him to carry into the house. I told him to make sure nobody walked off with them

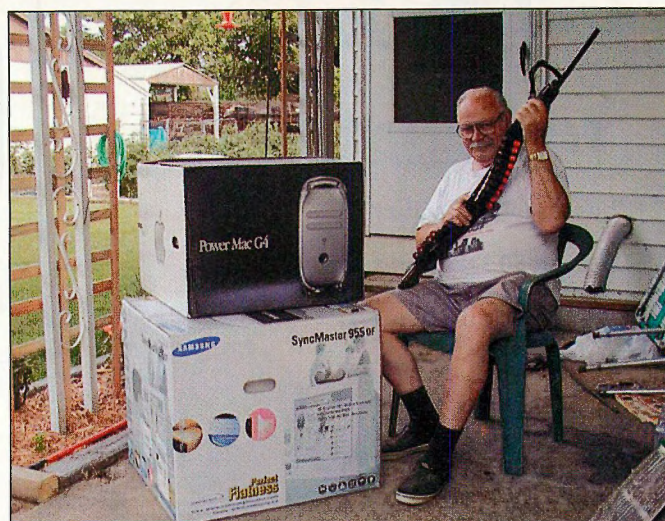
during the day. He made sure (see right).—*Vince Stone*
I could sure use your father-in-law around here. Someone's always walking off with my copy of Castle Wolfenstein.—*Max*

REMOVING THE IPOD'S BOD

Were you able to get your iPod working again after you took it apart for the "iPod Autopsy" (*Scrapbook*, Jun/02, p18)? Was it hard to pry apart, and were you able to reassemble it and play lovely tunes when you were done?—*Cameron Walser*
We're happy to report that our dissected iPod is back to playing everything from White Stripes to "White Rabbit." If you, too, want to void your warranty, pry off your iPod's case with a slim but sturdy blade, slowly separating the two parts at the seam. Or not.—*Max*

MACADDICT DISC KILLS SPAM

MacAddict saved me. Just when I was starting to feel smug about



Now that's a home security system.

not getting spammed at my mac.com address, some spammer found it. I was repeatedly bombarded with get-out-of-debt spam with falsified reply-to addresses. Then I found VisualRoute, a graphical traceroute program that analyzes Internet connectivity, on *MacAddict's* June Disc. I plugged the spam header's IP addresses into VisualRoute, and the app showed me the spammer's ISP and its location. I forwarded two of the spam emails along with a complaint to that ISP. The spam

stopped, cold turkey.

—*Nathan Hilton*

If we're the Rebel Alliance and spam is the Death Star, our Disc is an X-Wing, with you as Red Five at the controls.—*Max*

X-TREME SALES STRATEGIES

I thought you'd be amused by a recent experience I had following minor surgery. Swimming out of the general anesthesia, I was dimly aware that the surgery team's members were bemoaning the four separate PC

THE WAR ON SPAM

When our editor in chief Rik Myslewski declared war on spam (*Editor's Note*, Jul/02, p8), you signed on as foot soldiers.

I knew spammers were akin to the slime you find in the bottom of a can of Spam, but I never knew so many of them had equivalent intelligence to boot.—*Isaac Sherman*

Lately, I have been unsubscribing to this crap and CCing the Federal Trade Commission (uce@ftc.gov), the spammer's ISP, my own ISP, and the attorney

general of the spammer's state if the message includes a mailing address. The volume of spam I am now receiving is half what it was.—*Clifton Patrick*

If spammers are dumb enough to include a toll-free number in their spam, I put them on autodial and call about a million times. If they include a fax number, I send them a 100-page fax a couple of times.—*Andre*
As Exodus 21:24 says, a eye for an eye, a tooth for a tooth, a spam for a spam. (OK, so I invented that last part).—*Max*

Here's a tip: The Mac OS X mail client has a Bounce To Sender command in the Message

menu, which sends the spam back to the sender as if your email address didn't exist.—*Matthew Erway*

Larry Flynt Jr., the son of Hustler adult-entertainment mogul Larry Flynt, today announced an ambitious new adult Web site that arranges wild Las Vegas sex parties for its customers.—*Larry Flynt III Enterprises*
Oops, sorry—that's my spam.—*Max*

I never get spam. Not occasionally, not once a year—never.—*Eric Ohler*
Could it be because you don't have email yet, Eric?—*Max*



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LOG OUT  95

RECENTLY SIGHTED

It's Cupertino's version
of the Denver Boot.
—Frank Sagastume



computer systems they used in the OR department and the fact that they could not talk amongst themselves on a network. To my amazement, my first words were not "I'm alive!" or "Ow!" but an explanation of why the staff should switch to Mac OS X Server. I haven't decided if I'm pathetic or a future Apple salesman.—Craig Koon
Hmm...if your future lies in Apple sales, you'll follow up with those surgeons during your next post-op hospital visit. If you're just pathetic, you'll simply repeat this story to anyone who'll listen. Your fate is in your own hands.—Max

HEY U! YUR ENGLISH SUX

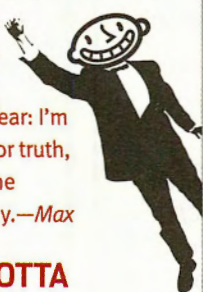
HEY U! OMG¹ U TIK ME OFF. ME BIG TRO², AND ME ANGRI AT U FOR NOT INCLUDING MYTH 2 AS THE GREATEST GAME EVER. U KNO WHERE U FORGET? IN UR³ DUM ARTIKLE ABOUT ULTIMATE MACS, THE ONE ABOUT THE COUCH POTATO MAC (Jul/02, p32). OMG ME BIG TRO AND MB⁴ I WILL CUM AND KIK U TIL U R UTTERLY DED.—PUGNUS
MAXIMUS, RHI'ANON
GAL⁵, TRO. WE NOT LIST ALL GAMES WE LUV IN ULTM8 ARTIKLE. PLAY WHATVR GAME U LIKE. CMIIW⁶, BUT UGTBK⁷, RITE? (LMAO⁸)—MAX

MAX 2.0

It has come to my attention that you've killed someone very near and dear to our hearts. Where's Max? Have you murdered him, or did you just demote him so he

has to live out the rest of his life in the little Reviews box with both his thumbs permanently in the up position?—Brian Truebe

Aw, shucks, Brian. Thanks for the props, and have no fear: I'm here to fight for truth, justice, and the Macintosh way.—Max



THAT'S GOTTA BUG YOU

While admiring the sleek design of my 17-inch Apple Studio Display, I noticed that a small fruit fly, perched on the left leg of the monitor, marred its elegance. I went to brush the fly off, but to my horror, I discovered that it was not on top of the plastic leg.

It was inside it! My horror turned to joy, however, when I



This could be a fossil in 2 million years.

realized this was my chance to appear in your Log Out section.—Devin Beecher

As some annoying Pollyanna type once said, when life hands you bugs, make bug juice.—Max

FLATTERY WILL GET YOU PUBLISHED

Your magazine has evolved from just an entertaining read to an information-packed (but still entertaining) must-have resource. Thanks for all of the tips.—Ben Veronis

Aw, gee, shucks...—Max

READER ART

Gonzo gamers send their screens

This month we inaugurate a new section here in Log Out: Reader Art. Faithful readers will remember Screenshot of the Month, where we printed your best gaming moments—the weirder, the better. As of today we're expanding our scope to include the best Mac-inspired art you can produce. Send us screenshots, artwork, special effects, whatever. If you can email it, we'll look at it. If we're blown away, we'll print it. This month, we celebrate the arrival of Reader Art with a three-way blowout.



I took this shot in Unreal Tournament (MacSoft, www.wizworks.com/macsoft, \$29.95), where I froze time and shot this poor guy with my enhanced shock rifle.
—Arlen Forsstrom



What could be better than a friendly salute to a nice sunset during an online game of Giants: Citizen Kabuto (MacPlay, www.macplay.com, \$49.99)?
—Chris Goodwin



In Giants: Citizen Kabuto, a confused Kabuto thinks, "Should I eat him or smash him into the ground?"
—Chris Goodwin

NEXT MONTH: OCTOBER 2002

101 Top Tips

Arm yourself with tips even more valuable than the time-honored "Never buy version .0 of anything."

Create Your Own Music Video

All you need is a DV camera, iMovie, and someone who looks great and can follow orders.

Find What You Need on the Web

Google says it can search 2,073,418,204 Web pages. We help you find the one you're looking for.

¹Oh my god, ²Trouble, ³Your, ⁴Maybe, ⁵Get a life, ⁶Correct me if I'm wrong, ⁷You've got to be kidding, ⁸Laughing my ass off

Switching to Mac: Surreal Stories

Be bored to tears by people who've switched

We've received thousands of emails from people who have successfully switched from PCs to Macs. Former losers. Sniveling Windows-abuse victims. People with really, really bad hair. Here are some of their stories. We'll continue to add letters, whether you want us to or not—there's more than enough misery to go around.

Nice moustache, dude

I'm the ruthless dictator of a country that was once the cradle of civilization. Since I've switched from PCs to Macs in support of my effort to build weapons of mass destruction, the IT-support savings alone have enabled me to buy a certified preowned Mercedes for the head of my Republican Guard. Oh, did I say weapons of mass destruction? I meant fudge. Really good fudge. Lots of walnuts.

—SH

A swingin' solution

I'm a 55-year-old housewife in Des Moines. Back when I used a PC, my husband drank a half-gallon of George Dickel a day, watched *WWE Smackdown* while wearing his souvenir Kurt Angle "You Suck" hat, and snored like a 747 after he fell asleep on the couch—which was every night.

The girls down at Saint Patsy's Bingo Bash told me that if I switched to a Mac, my life would improve. Boy, were they right!

The very day I became the happy owner of a brand-new 800MHz G4 iMac, it changed my life. Right after I unpacked it, I discovered that its sleek, stainless steel neck was a perfect handle—and when I firmly gripped it by the neck and swung that solid 20-pound base upside hubby's head, he went down like a jumbo sack of Scotts Turf Builder.

Thanks, Apple! I look forward to actually starting up my new iMac after my parole.

—LSMFT

Love at first site

When I was 6, my parents locked me in the basement with an IBM PC/XT. For nearly 20 years they've been sliding sandwiches and software installers through a slot in the door. Some nights while I slept, they swapped my PC for a more-powerful model. NexGens, Compaqs, Acers, Microns, HPs, Dells, Fujitsus, Gateways, VAIOs, ABSs, Packard Bells, Falcons, eMachines, Racers, NECs, Phase Ones—I've seen them all.

This morning, my life got a lot more interesting. The Alienware Area 51 PC that greeted me when I awoke this morning is apparently connected—wirelessly, somehow—with some sort of worldwide "Web" of unlimited information. After some experimentation, I discovered www.apple.com, where I saw the most heartrendingly beautiful PC of all time. You call it an *iMac*.

I'd ask you to send me one, but I don't know where I am. I know my parents—they call each other Bill and Melinda—would get me an iMac, if only they knew about it. They love me so. Please find them and tell them.

—XPG

Endure the TV ads



Ali Tabooguh

Other Surreal Stories

Weenies who switched

- > [Amanda Huginkiss](#)
- > [Seymour Butz](#)
- > [Ali Tabooguh](#)
- > [Hugo First](#)
- > [Ben and Ilene Dover](#)
- > [Oliver Klosov](#)
- > [Willie Makit](#)
- > [Betty Wont](#)

More fabulous fabrications

- > ["Sex has never been so freakin' hot!"](#)
- > [Discover the power that is System 7!](#)
- > ["Sharon, Kelly, Jack, and Aimee respect me again!"](#)
- > [Add 3 inches to your manhood!](#)
- > ["Before, I couldn't even spell G4!"](#)
- > [Why PC stands for "Profoundly Crappy!"](#)
- > ["The day I bought it, I found a bright, shiny new dime!"](#)
- > [Giants 7, Diamondbacks 5!](#)

Share your pain

Switched from a PC to a Mac recently? If you want to [lie about it](#), we'd love to hear it.

The missing piece of the Mac OS X puzzle



Introducing Drive 10 version 1.1.

Optimizes and defragments your Mac OS X drives and much more.

For Apple's next-generation operating system, you'll need a next-generation disk utility. That's why Micromat has introduced Drive 10, the first and final disk utility for Mac OS X. Problems with your drive? Drive 10 can repair almost any drive problem with one simple click of your mouse. All within Mac OS X's native environment.

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